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Base Flow Characteristics of Ontario Streams
Caractéristiques du débit de base de cours d'eau ontariens

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Abstract

Base flow represents the portion of total streamflow that depletes ground water storage. A knowledge of the base flow recession curve of a stream is important in many hydrologic investigations. Present methods of developing this curve include the Barnes method, the Langbein method and the Composite Curve method. Of these, the last method is the most reliable but is time-consuming and requires a long period of record. In this study, a simple new method has been suggested and applied to streams in Ontario. A total of 263 streams with drainage areas varying from less than one km^2 to 118 000 km^2 has been analyzed. The values of recession parameters α, μ and q_0 and dry-weather runoff have been obtained.

Résumé

Le débit de base constitue la partie du débit total d'un cours d'eau qui est attribuable au tarissement de la nappe phréatique. La connaissance de la courbe de décrue d'un cours d'eau est importante pour un grand nombre d'études hydrologiques. Parmi les méthodes actuelles qui permettent d'établir cette courbe, mentionnons la méthode de Barnes, la méthode de Langbein et la méthode de la courbe composite. La dernière mentionnée est la plus fiable, mais également celle dont l'application nécessite le plus de temps et des enregistrements portant sur une longue période. La présente étude propose une nouvelle méthode simple qui a été appliquée à des cours d'eau ontariens. On a analysé au total 263 bassins versants dont la superficie variait de moins de un km^2 à 118 000 km^2. Pour ces bassins versants on a obtenu les paramètres de décrue, α, μ, q_0 et le débit d'étiage.

Base Flow Characteristics of Ontario Streams
Caractéristiques du débit de base de cours d'eau ontariens

B.P. Sangal

INTRODUCTION

Total streamflow is generally divided into three components: direct or surface runoff, interflow and base flow. Surface runoff represents the overland flow and reaches the stream in the shortest time. Interflow represents the portion that reaches streams by moving slowly through the soil without reaching the ground water table. Base flow represents the withdrawal from ground water storage and is characterized by depletion of the ground water table. Other terms for base flow include sustained flow, dry-weather flow, fair-weather flow, ground water flow, and occasionally the general term "low flow." This is the flow in a stream after a long dry spell when runoff from a storm or melting snow has ceased.

The measured value of base flow is generally less than the actual ground water depletion, mainly because of evaporative loss from the open water surface of the stream. Other losses that affect base flow are consumptive withdrawals such as irrigation, water supply, and animal drinking. On the other hand, bodies of water such as lakes, swamps, ponds, and glaciers tend to increase base flow. The single most important effect on base flow recession is reservoir regulation, which can completely alter the shape of the recession curve at a downstream station. Another important factor in the development of the recession curve is the quality of data. As the base flow is generally small, a small error in measurement can have a pronounced effect on the shape of the recession curve. It is for these reasons that base flow recession curves derived from recorded data are at best crude approximations to natural ground water depletion.

In this study, an attempt has been made to develop the base flow recession curves for a large number of Ontario streams. A simple technique has been proposed and used to develop these curves.

INTRODUCTION

Le débit total d'un cours d'eau est généralement divisé en trois composantes : l'écoulement direct ou ruissellement, l'écoulement divergent et le débit de base. Le ruissellement comprend l'écoulement de surface et atteint le cours d'eau dans le temps le plus court. L'écoulement divergent comprend la partie des précipitations qui atteint les cours d'eau en se déplaçant lentement dans le sol sans rejoindre la nappe phréatique. Le débit de base comprend l'épuisement de l'eau emmagasinée sous terre et correspond au tarissement de la nappe phréatique. Parmi les autres expressions utilisées pour désigner le débit de base mentionnons le débit permanent, le débit d'étiage, le débit d'écoulement pérenne, l'écoulement souterrain et, à l'occasion, l'expression générale «faible débit». Il correspond à l'écoulement dans le cours d'eau après une période sèche de longue durée lorsque l'écoulement d'averse ou de fonte des neiges a cessé.

La valeur mesurée du débit de base est généralement inférieure au tarissement véritable de la nappe souterraine, principalement en raison des pertes par évaporation à la surface des cours d'eau. Parmi les autres pertes qui touchent le débit de base on compte les pertes attribuables à la consommation comme dans le cas de l'irrigation, de l'approvisionnement en eau et de l'abreuvement des animaux. D'autre part, des entités comme les lacs, les marécages, les étangs et les glaciers ont tendance à accroître le débit de base. Le facteur individuel le plus important qui influence la décrue du débit de base est la régularisation de réservoirs qui peut complètement modifier la forme de la courbe de décrue à une station située en aval. La qualité des données est un autre facteur important pour l'obtention de la courbe de décrue. Puisque le débit de base est généralement faible, une légère erreur de mesure peut avoir un effet prononcé sur la forme de la courbe de décrue. Pour toutes ces raisons, les courbes de décrue du débit de base dérivées de données enregistrées sont au mieux de grossières approximations du tarissement naturel de la nappe phréatique.

Dans la présente étude on a tenté d'obtenir les courbes de décrue de débit de base pour un grand nombre de cours d'eau ontariens. On a proposé et utilisé une méthode simple pour l'obtention de ces courbes.

PHYSIOGRAPHIC AND CLIMATIC CHARACTERISTICS OF ONTARIO

The Province of Ontario covers a large territory which lies between the latitudes of 42°N and 57°N and the longitudes of 74°W and 95°W. The total area slightly exceeds one million km^2. The physiography of the region is complex. Southern Ontario or the area lying below the latitude of 46°N is bounded by the Great Lakes and the Ottawa and St. Lawrence rivers. The height of land varies from about 50 m above sea level along the Ottawa River to about 550 m on the Blue Mountain near Collingwood. It is a glaciated region. The land features include sands, gravels and clay plains. The Canadian Shield, a vast structure of Precambrian rocks with a thin cover of drift, occupies almost the entire eastern section. The streams in this section pass through many lakes and swamps.

CARACTÉRISTIQUES PHYSIOGRAPHIQUES ET CLIMATIQUES DE L'ONTARIO

La province d'Ontario couvre un vaste territoire situé entre 42° et 57° de latitude nord et 74° et 95° de longitude ouest. La superficie totale excède un peu le million de km^2. La physiographie de cette région est complexe. L'Ontario méridional, ou la région située à une latitude nord inférieure à 46°, est limité par les Grands lacs, la rivière des Outaouais et le fleuve Saint-Laurent. L'altitude y varie d'environ 50 m au-dessus du niveau de la mer le long de l'Outaouais à environ 550 m au mont Blue près de Collingwood. C'est une région qui a subi la glaciation et le terrain y prend la configuration des plaines de sable, de gravier et d'argile. Le Bouclier canadien est une vaste structure de roches précambriennes recouvertes d'une mince couche de dépôts glaciaires et occupe la plus grande partie de l'est ontarien. Les cours d'eau de ce secteur passent par un grand nombre de lacs et de marécages.

Table 1. Mean Monthly and Mean Annual Values of Temperature and Precipitation for 10 Selected Stations in Ontario

Tableau 1. Valeurs mensuelles moyennes et annuelles moyennes de la température et des précipitations pour 10 stations choisies en Ontario

Station		Jan./ Jan.	Feb./ Fév.	Mar./ Mars	Apr./ Avr.	May/ Mai	June/ Juin	July/ Juil.	Aug./ Août.	Sept./ Sept.	Oct./ Oct.	Nov./ Nov.	Dec./ Déc.	Year/ Année
Kapuskasing	T	-18.2	-15.8	-9.1	0.6	7.8	14.1	16.9	15.3	10.4	5.1	-4.2	-14.1	0.7
	P	53	48	54	51	79	85	96	92	92	78	87	56	872
Kenora	T	-17.7	-14.7	-7.0	2.5	9.8	15.7	19.1	17.8	11.7	6.0	-4.6	-13.8	2.1
	P	30	27	33	43	58	87	99	83	73	38	43	35	647
Kingston	T	-7.8	-6.9	-1.3	6.3	12.2	17.9	21.1	20.3	15.9	10.1	3.4	-4.5	7.2
	P	76	65	64	73	78	66	71	80	77	74	93	85	900
London	T	-6.0	-5.6	-0.7	6.6	12.3	18.2	20.5	19.7	15.7	9.9	3.1	-3.6	7.5
	P	76	65	72	78	75	81	81	73	79	74	83	87	925
Moosonee	T	-20.2	-18.1	-11.9	-2.3	5.4	11.8	15.5	14.4	10.0	4.7	-4.3	-15.3	-0.9
	P	46	44	42	42	70	88	90	84	83	72	73	50	785
Ottawa	T	-10.9	-9.5	-3.1	5.6	12.4	18.2	20.7	19.3	14.6	8.7	1.4	-7.7	5.8
	P	60	57	61	68	70	73	81	82	79	66	79	77	851
Toronto	T	-4.4	-3.8	0.6	7.6	13.2	19.2	21.8	21.1	17.0	11.2	4.8	-1.8	8.9
	P	63	57	66	67	73	63	81	67	61	62	67	64	790
Trout Lake	T	-24.1	-21.6	-14.4	-4.4	3.6	11.6	15.9	14.4	8.6	2.2	-9.0	-19.6	-3.1
	P	26	21	19	28	49	68	95	86	75	55	46	30	597
White River	T	-17.4	-15.7	-9.5	0.4	7.6	13.3	15.9	14.6	9.7	4.5	-4.3	-13.4	0.4
	P	53	46	51	61	75	78	73	81	98	70	78	55	819
Windsor	T	-4.3	-3.4	1.2	8.2	14.0	19.9	22.3	21.3	17.4	11.6	4.3	-2.0	9.2
	P	55	52	66	81	83	84	83	82	61	63	62	54	836

T = temperature in degrees Celsius / température en degrés Celsius
P = precipitation in millimetres / précipitation en millimètres

Northern Ontario is mostly covered by Canadian Shield except for the flat boggy lowland plains near Hudson Bay and James Bay. The height of land varies from sea level to about 600 m near Lake Superior. This is a very sparsely populated region and contains many lakes, swamps and vast reaches of forests.

The climate of Ontario varies greatly from south to north but, broadly, it is humid continental with cool summers and cold winters. The major contribution to streamflow is from snowmelt. Table 1 gives the mean monthly and mean annual values of temperature and precipitation for 10 selected stations in the region (Hare and Thomas, 1979).

In Southern Ontario the predominant period of snowmelt is March and April, while in Northern Ontario it is April and May. For the province as a whole, April remains the month when the runoff is at maximum. From May to September, there is a gradual recession of flow. From October onward, the natural recession is interrupted by cold, snow accumulation, and runoff from rainfall, and a period of accretion commences. Thus, the summer flows of May to September provide a useful index of the recession pattern in Ontario.

HORTON'S CLASSIFICATION OF STREAM RISES

During the course of a year, a stream rises and falls several times. Large rises resulting in floods are caused by heavy storms, snowmelt or a combination thereof. Small rises are caused by storms of lesser magnitude. The effect of a storm upon subsequent streamflow depends upon the nature of the storm and upon the physical characteristics of the drainage basin. Horton (1933) suggested a simple classification of stream rises, which is given in Figure 1. The following summary of Horton's classification is taken from Wisler and Brater (1959).

The symbols have the following meaning:

p = intensity of rainfall
f = intensity of infiltration or infiltration capacity
P = total precipitation
F = total infiltration
FMD = field moisture deficiency or field capacity
Q_s = surface runoff
P_e = excess precipitation (P-F)

Le Bouclier canadien couvre la plus grande partie de l'Ontario septentrional à l'exception des basses plaines marécageuses des environs des baies d'Hudson et de James. L'altitude varie de celle du niveau de la mer à environ 600 m près du lac Supérieur. La population est très dispersée dans cette région aux nombreux lacs et marécages et aux vastes étendues boisées.

Le climat de l'Ontario varie énormément du sud au nord, mais il s'agit en général d'un climat continental humide aux étés frais et aux hivers froids. L'eau de fonte des neiges constitue la principale contribution au débit des cours d'eau. Le tableau 1 présente les valeurs moyennes mensuelles et annuelles de la température et des précipitations pour 10 stations choisies dans ces régions (Hare et Thomas, 1979).

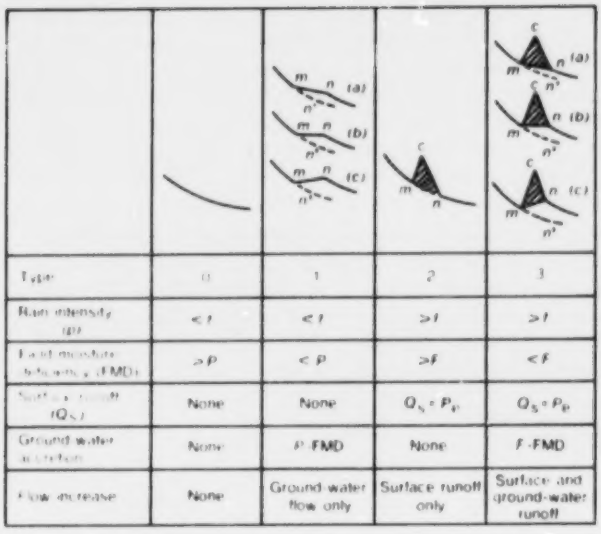
Dans le sud de l'Ontario la neige fond surtout en mars et en avril tandis qu'au nord ce phénomène se produit en avril et en mai. Pour la province dans son ensemble le mois d'avril est le mois pendant lequel l'écoulement est à son maximum. De mai à septembre on observe une décrue progressive et à compter d'octobre la décrue naturelle est interrompue par le froid, l'accumulation de neige, le ruissellement attribuable aux précipitations; c'est le début de la période d'emmagasinement. Ainsi l'écoulement estival de mai à septembre constitue un indice utile de la configuration de la décrue en Ontario.

CLASSIFICATION DES CRUES DES COURS D'EAU DE HORTON

Pendant une année le débit d'un cours d'eau augmente et diminue plusieurs fois. Les crues importantes entraînant des inondations sont causées par les fortes tempêtes, la fonte des neiges ou une combinaison de ces deux phénomènes. Les petites crues sont causées par des tempêtes de moindre importance. L'effet d'une tempête sur le débit ultérieur d'un cours d'eau dépend de la nature de la tempête et des caractéristiques physiques du bassin hydrographique. Horton (1933) a proposé une classification simple des crues des cours d'eau qui est présentée à la figure 1. Les paragraphes suivants résument la classification de Horton et proviennent de Wisler et Brater (1959).

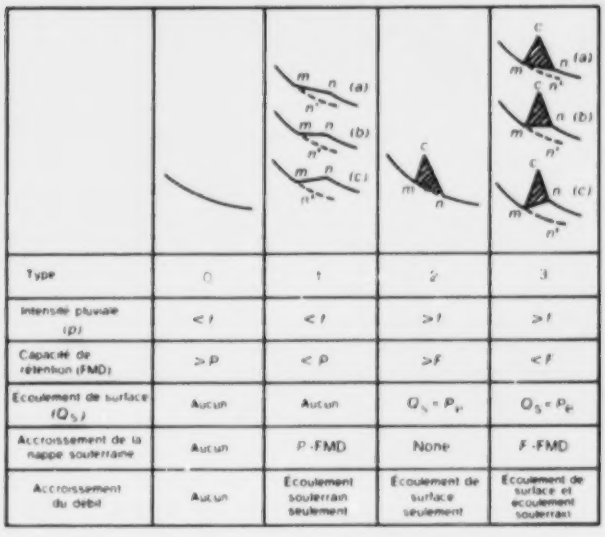
Les symboles ont la signification suivante :

p = intensité pluviale
f = intensité d'infiltration ou capacité d'infiltration
P = précipitations totales
F = infiltration totale
FMD = capacité de rétention
Q_s = écoulement de surface
P_e = pluie excédentaire (P-F)



Type	0	1	2	3
Rain intensity (p)	$< f$	$< f$	$> f$	$> f$
Field moisture deficiency (FMD)	$> P$	$< P$	$> F$	$< F$
Surface runoff (Q_S)	None	None	$Q_S = P_e$	$Q_S = P_e$
Ground water accretion	None	P-FMD	None	F-FMD
Flow increase	None	Ground water flow only	Surface runoff only	Surface and ground-water runoff

Figure 1. Classification of stream rises. Surface runoff is cross-sectional. (After Horton, 1933)



Type	0	1	2	3
Intensité pluviale (p)	$< f$	$< f$	$> f$	$> f$
Capacité de rétention (FMD)	$> P$	$< P$	$> F$	$< F$
Écoulement de surface (Q_S)	Aucun	Aucun	$Q_S = P_e$	$Q_S = P_e$
Accroissement de la nappe souterraine	Aucun	P-FMD	None	F-FMD
Accroissement du débit	Aucun	Écoulement souterrain seulement	Écoulement de surface seulement	Écoulement de surface et écoulement souterrain

Figure 1. Classification des crues des cours d'eau. L'écoulement de surface est présenté en coupe. (D'après Horton, 1933)

Type 0—This is the normal case of depletion and occurs in the absence of rain or when $p \leq f$ and FMD $> P$. In this case, there is no surface runoff, no ground water accretion and no increase in streamflow. Any rainfall is held in the soil for evapotranspiration.

Type 1—In this case, $p < f$ but FMD $< P$. This is the case of lengthy shower activity. There is no surface runoff, but ground water accretion equal to P-FMD occurs and there is an increase in ground water flow. Three different cases occur under this type. In each case accretion to the water table occurs during the interval mn. Normal ground water depletion interrupted at m is resumed at n, whereas mn' shows the normal depletion had there been no ground water accretion. In case (a), the rate of accretion is less than the rate of depletion. The depletion continues but at reduced rate. The water table continues to fall. In case (b), the accretion and depletion rates are equal and the flow rate remains constant. In case (c), the accretion rate exceeds the depletion rate and water table rises. In all cases, however, there is an increase in ground water flow.

Type 2—In this case, $p > f$, but FMD $> F$. Therefore, there is no accretion to groundwater and hence no change in ground water flow. But there is surface runoff which starts at m, peaks at c and ends at n. The normal ground water depletion continues during the rise.

Type 0—C'est le cas normal de tarissement qui est observé en l'absence de pluie ou lorsque $p \leq f$ et FMD $> P$. Dans ce cas, il n'y a pas d'écoulement de surface ni accroissement des réserves souterraines ou du débit du cours d'eau. Toutes les précipitations sont retenues dans le sol d'où il y a évapotranspiration.

Type 1—Dans ce cas $p < f$, mais FMD $< P$. C'est le cas d'une averse de longue durée. Il n'y a pas d'écoulement de surface mais un accroissement des réserves de la nappe souterraine égal à P-FMD et un accroissement de l'écoulement souterrain. Ce type regroupe trois cas différents. Dans chacun de ces cas il y a accroissement des réserves de la nappe phréatique pendant l'intervalle mn. Le tarissement normal des eaux souterraines est interrompu en m et reprend en n alors que mn' indique quel aurait été le tarissement normal s'il n'y avait pas eu accroissement des réserves d'eau souterraine. Dans le cas a) le taux d'acroissement est inférieur au taux de tarissement. Le tarissement continue, mais à un taux réduit. Le niveau de la nappe phréatique continue de s'abaisser. Dans le cas b) les taux d'accroissement des réserves et de tarissement sont égaux et le débit reste constant. Dans le cas c) le taux d'accroissement des réserves dépasse le taux de tarissement et le niveau de la nappe phréatique s'élève. Il y a toutefois dans tous les cas accroissement de l'écoulement souterrain.

Type 2—Dans ce cas, $p > f$, mais FMD $> F$. Il n'y a par conséquent pas d'accroissement des réserves d'eau souterraine et l'écoulement souterrain n'est donc pas modifié. Il y a toutefois écoulement de surface qui débute en m, atteint un maximum en c et prend fin en n. Le tarissement nornal des eaux souterraines se poursuit pendant la crue.

Type 3—In this case, $p > F$ and $FMD < F$. Therefore, there is surface runoff as well as accretion to the ground water table. The three cases (a), (b), and (c) are similar to those of Type 1 with the added feature of surface runoff of Type 2.

Types 0 and 2 commonly occur during the summer months; Type 1 occurs during fall and winter months; and Type 3 occurs during winter and spring months. It may be added that the above scheme is a gross simplification of flow patterns in nature.

THEORETICAL CONSIDERATIONS

Base flow recession has been studied for a long time. An excellent review of the subject has been given by Hall (1968). The first theoretical derivation of the exponential law of recession is ascribed to Maillet (1905). The same formula seems to have been derived independently by Boussinesq in 1904 and by Horton in the same year. Barnes (1939), utilizing the principle of exponential recession, suggested the semilogarithmic plotting of the complete hydrograph. Werner and Sundquist (1951) derived expressions applicable to artesian and nonartesian aquifers. They pointed out that the exponential law was applicable to artesian aquifers only. Singh (1968, 1969) and Singh and Stall (1971) provided comprehensive theoretical analyses and suggested methodology for deriving recession curves. For the purpose of this study a simple treatment of the subject as given by Roche (1963) is sufficient and is presented below.

Method Applicable to Confined or Artesian Aquifers

Let us consider Figure 2. An artesian aquifer can be represented by an impervious reservoir being drained by a pipe containing porous material. Applying Darcy's law, we have

$$q = kP\frac{s}{L}h \qquad (1)$$

where

q = rate of discharge
k = hydraulic conductivity of the porous material
P = porosity
s = cross-sectional area of the pipe
L = length of the pipe
h = head

If during a time interval dt, the fall in water elevation is dh, then

$$Sdh = -qdt \qquad (2)$$

Type 3—Dans ce cas, $p > F$ et $FMD < F$. Il y a par conséquent écoulement de surface ainsi qu'un accroissement des réserves de la nappe phréatique. Les trois cas a), b) et c) sont analogues à ceux de la crue de type 1 mais il y a toutefois en plus écoulement de surface comme dans le type 2.

Les crues de types 0 et 2 sont couramment observées pendant les mois d'été; les crues de type 1 surviennent pendant les mois d'automne et d'hiver et celles de type 3 pendant les mois d'hiver et du printemps. On peut ajouter que la classification qui précède simplifie à l'extrême les configurations naturelles de l'écoulement.

CONSIDÉRATIONS THÉORIQUES

On étudie depuis longtemps la décrue du débit de base. Hall (1968) a présenté un excellent examen de la question. La première dérivation théorique de la loi exponentielle de la décrue est attribuée à Maillet (1905). La même formule semble avoir été dérivée indépendamment par Boussinesq en 1904 et par Horton la même année. Barnes (1939) a suggéré, en se basant sur le principe de la décrue exponentielle, le traçage de l'hydrogramme complet sur papier semi-logarithmique. Werner et Sundquist (1951) ont dérivé des expressions applicables aux aquifères artésiens et non artésiens. Ils ont souligné que la loi exponentielle n'était applicable qu'aux seuls aquifères artésiens. Singh (1968, 1969) et Singh et Stall (1971) ont présenté des analyses théoriques exhaustives et ont suggéré une méthode pour la dérivation des courbes de décrue. Pour les fins de la présente étude, un traitement simple de la question tel que décrit par Roche (1963) sera suffisant et est présenté ci-après.

Méthode applicable aux aquifères captifs ou artésiens

Examinons la figure 2. Un aquifère artésien peut être représenté comme étant un réservoir imperméable drainé par une conduite renfermant une matière poreuse. En appliquant la loi de Darcy nous obtenons

$$q = kP\frac{s}{L}h \qquad (1)$$

ou

q = débit
k = conductivité hydraulique de la matière poreuse
P = porosité
s = superficie en coupe transversale de la conduite
L = longueur de la conduite
h = hauteur de charge artésienne

Si pendant un intervalle dt l'abaissement du niveau d'eau est dh, alors

$$Sdh = -qdt \qquad (2)$$

where

S = cross-sectional area of the reservoir

Differentiating Equation 1 with respect to t and substituting α for $\frac{kPs}{LS}$

$$\frac{dq}{q} = -\alpha\, dt. \qquad (3)$$

Integrating,

$$q = q_0\, e^{-\alpha(t-t_0)} \qquad (4)$$

where $q = q_0$ at $t = t_0$ (initial condition). The parameter α is referred to as the recession constant and has the dimension T^{-1}.

où

S = superficie en coupe horizontale du réservoir

En différenciant l'équation 1 en tenant compte de t et en remplaçant $\frac{kPs}{SL}$ par α on obtient

$$\frac{dq}{q} = -\alpha\, dt. \qquad (3)$$

En intégrant on obtient

$$q = q_0\, e^{-\alpha(t-t_0)} \qquad (4)$$

ou $q = q_0$ à $t = t_0$ (condition initiale). La dimension de α est T^{-1}, qui est désignée comme étant la constante de décrue.

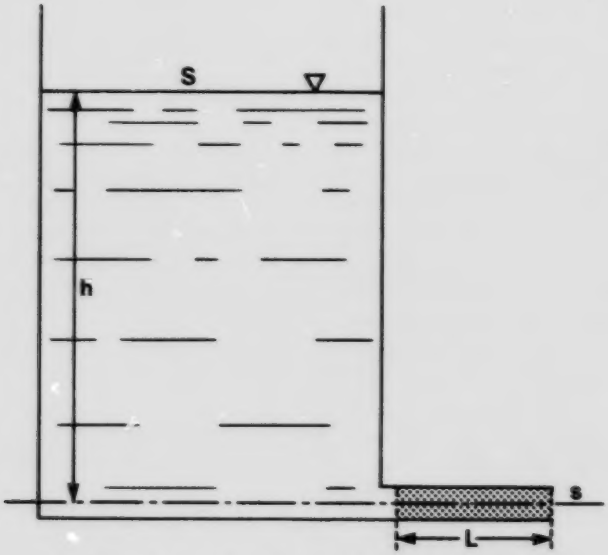


Figure 2. Flow through confined or artesian aquifers.

Figure 2. Écoulement dans un aquifère captif ou artésien.

Method Applicable to Unconfined or Nonartesian Aquifers

Let us consider Figure 3. The flow through the nonartesian aquifer is represented by flow through a sand box of infinite width, length L, one impervious side where the height of water is H and the other pervious side where the height is H'. Applying Darcy's law to a section of unit width at a distance x from the impervious side, we have

$$q = -kh\frac{dh}{dx} \qquad (5)$$

Méthode applicable aux aquifères non captifs ou non artésiens

À l'examen de la figure 3, l'écoulement dans l'aquifère non artésien est représenté par l'écoulement dans une boîte de sable de largeur infinie, de longueur L dont un des côtés de hauteur H est imperméable et l'autre de hauteur H' est perméable. En appliquant la loi de Darcy à un segment d'unité de largeur situé à une distance x du côté imperméable on obtient

$$q = -kh\frac{dh}{dx} \qquad (5)$$

which gives

$$\int_H^h h\,dh = -\frac{1}{k}\int_o^x q\,dx$$

Integrating,

$$h^2 = H^2 - \frac{2}{k}qx$$

or

$$h = (H^2 - \frac{2}{k}qx)^{1/2} \qquad (6)$$

which is the equation of the hydraulic grade line for a discharge q.

qui donne

$$\int_H^h h\,dh = -\frac{1}{k}\int_o^x q\,dx$$

En intégrant on obtient

$$h^2 = H^2 - \frac{2}{k}qx$$

ou

$$h = (H^2 - \frac{2}{k}qx)^{1/2} \qquad (6)$$

qui est l'équation du profil piézométrique pour un débit q.

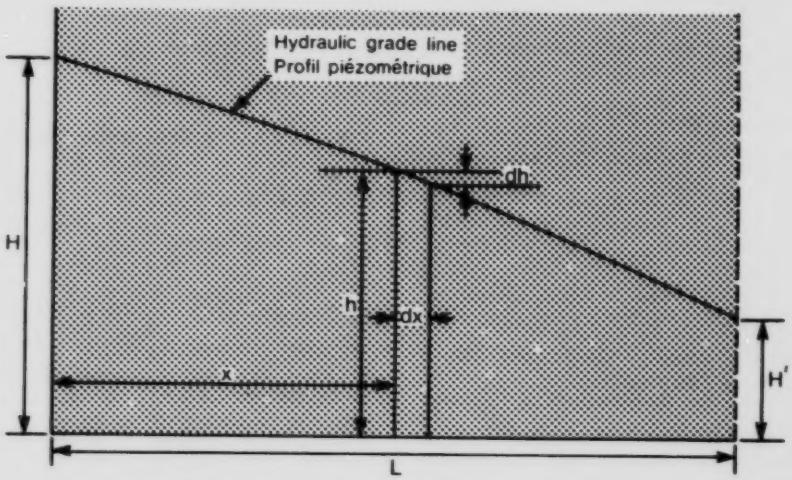


Figure 3. Flow through unconfined or nonartesian aquifer.

Figure 3. Écoulement dans un aquifère non captif ou non artésien.

The volume of water contained in the sand per unit width of the box

$$= P\int_o^L (H^2 - \frac{2}{k}qx)^{1/2}\,dx$$

$$= \frac{kP}{3q}\left[H^3 - (H^2 - \frac{2}{k}qL)^{3/2}\right] \qquad (7)$$

If the level of water at the impervious face decreases by dH, then the new volume will be

$$= \frac{kP}{3q}\left\{(H-dH)^3 - \left[(H-dH)^2 - \frac{2}{k}qL\right]^{3/2}\right\} \qquad (8)$$

Le volume d'eau contenue dans le sable par unité de largeur de la boîte

$$= P\int_o^L (H^2 - \frac{2}{k}qx)^{1/2}\,dx$$

$$= \frac{kP}{3q}\left[H^3 - (H^2 - \frac{2}{k}qL)^{3/2}\right] \qquad (7)$$

Si le niveau d'eau à la face imperméable diminue de dH, le nouveau volume devient alors

$$= \frac{kP}{3q}\left\{(H-dH)^3 - \left[(H-dH)^2 - \frac{2}{k}qL\right]^{3/2}\right\} \qquad (8)$$

or, neglecting the small terms of higher order,

$$= \frac{kP}{3q} \left\{ H^3 - (H^2 - \frac{2}{k} qL)^{3/2} - 3H[H - (H^2 - \frac{2}{k} qL)^{1/2}] \, dH \right\} \quad (9)$$

The reduction in volume of water owing to fall dH equals the outflow in time dt, that is,

$$\frac{kP}{q} H[H - (H^2 - \frac{2}{k} qL)^{1/2}] \, dH = -qdt \quad (10)$$

If it is assumed that $H' << H$, as is usually the case, then from Equation 6

$$H = \sqrt{\frac{2}{k} qL} \quad (11)$$

and

$$dH = \sqrt{\frac{L}{2k}} \frac{1}{\sqrt{q}} \, dq \quad (12)$$

With these values of H and dH, Equation 10 gives

$$K \, dq = -q^{3/2} \, dt \quad (13)$$

where

$$K = P \sqrt{\frac{2L^3}{k}}$$

If, initially, at $t = t_0$, $q = q_0$, then writing $\mu = \frac{1}{2K}$ and integrating Equation 13, we have

$$q = q_0 [1 + \mu \sqrt{q_0} (t - t_0)]^{-2} \quad (14)$$

Equation 14 gives the recession from a nonartesian aquifer. The dimension of μ is $L^{-3/2} T^{-1/2}$. It may be noted that in this equation q_0 is a determining factor in the shape of the curve. Ding (1967) has shown that both Equation 4 and Equation 14 are special cases of the general flow routing equation. A comparison of Equation 4 with Equation 14 is shown in Figure 4 for arbitrarily chosen conditions of flow

$$t_0 = 0, \quad q_0 = 100 \text{ m}^3/\text{s}, \quad t = 25 \text{ days}, \quad q = 25 \text{ m}^3/\text{s}$$

With these conditions, $\alpha = 0.0554$ and $\mu = 0.004$.

In the present study, both these curves have been obtained for a number of streams.

ou, en omettant les termes négligeables d'ordre supérieur,

$$= \frac{kP}{3q} \left\{ H^3 - (H^2 - \frac{2}{k} qL)^{3/2} - 3H[H - (H^2 - \frac{2}{k} qL)^{1/2}] \, dH \right\} \quad (9)$$

La diminution de volume d'eau attribuable à l'abaissement dH est égale à l'écoulement pendant le temps dt, soit,

$$\frac{kP}{q} H[H - (H^2 - \frac{2}{k} qL)^{1/2}] \, dH = -qdt \quad (10)$$

Si l'on suppose que $H' << H$, comme c'est généralement le cas, alors d'après l'équation 6 on obtient

$$H = \sqrt{\frac{2}{k} qL} \quad (11)$$

et

$$dH = \sqrt{\frac{L}{2k}} \frac{1}{\sqrt{q}} \, dq \quad (12)$$

Avec ces valeurs pour H et dH, l'équation 10 donne

$$K \, dq = -q^{3/2} \, dt \quad (13)$$

où

$$K = P \sqrt{\frac{2L^3}{k}}$$

Si initialement à $t = t_0$, $q = q_0$, en posant $\mu = \frac{1}{2k}$ et en intégrant l'équation 13, on obtient

$$q = q_0 [1 + \mu \sqrt{q_0} (t - t_0)]^{-2} \quad (14)$$

L'équation 14 donne la décrue pour un aquifère non artésien. La dimension de μ est $L^{-3/2} T^{-1/2}$. On peut noter que dans cette équation q_0 est un facteur déterminant la forme de la courbe. Ding (1967) a montré que l'équation 4 et l'équation 14 sont des cas particuliers de l'équation générale de cheminement de l'écoulement. La figure 4 présente une comparaison de l'équation 4 et de l'équation 14 pour des conditions d'écoulement arbitrairement choisies

$$t_0 = 0, \quad q_0 = 100 \text{ m}^3/\text{s}, \quad t = 25 \text{ jours}, \quad q = 25 \text{ m}^3\text{s}$$

Dans ces conditions, $\alpha = 0.0554$ et $\mu = 0.004$

Dans le cadre de la présente étude ces deux courbes ont été établies pour un certain nombre de cours d'eau.

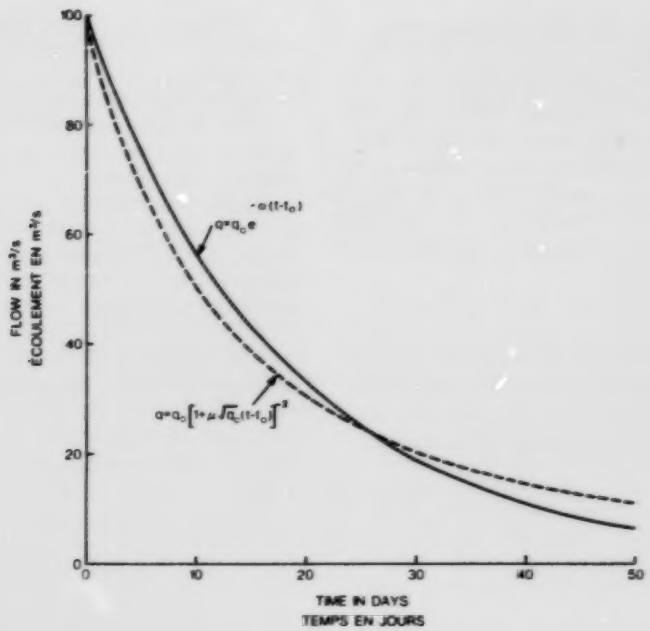


Figure 4. The two laws of recession.

Figure 4. Les deux lois de décrue.

CURRENT PRACTICE OF DEVELOPING RECESSION CURVES

At present there are three methods of developing recession curves. They are (1) the Barnes method, (2) the Langbein method, and (3) the Composite Curve method. In the Barnes method (Barnes, 1939), the total hydrograph is plotted on semilogarithmic paper, and the base flow, interflow and surface runoff components are separated based upon the slope of the respective sections. In the Langbein method (Langbein, 1940), a fixed time interval, usually a day, is selected and values of q_0 are plotted against q after that interval. In other words, if the flow at day 1 is q_0, then the flow at day 2 is q. Similarly, if the flow at day 2 is q_0, then the flow at day 3 is q, and so on. If the exponential law were strictly true, this would yield a straight line. Normally, however, a curve with a gradually changing slope results. In the Composite Curve method (Snyder, 1939), the recessions from various storms are pieced together until a composite curve is obtained which covers the necessary range of flow. A template conforming to this curve is often constructed. All these methods are described in detail by Linsley *et al*. (1958).

MÉTHODES ACTUELLES D'ÉTABLISSEMENT DES COURBES DE DÉCRUE

On utilise actuellement trois méthodes pour établir les courbes de décrue : 1) la méthode de Barnes, 2) la methode de Langbein et 3) la méthode de la courbe composite. Dans la méthode de Barnes (Barnes, 1939) l'hydrogramme total est tracé sur papier semi-logarithmique et le débit de base, l'écoulement divergent et l'écoulement de surface sont séparés en fonction de la pente des segments respectifs. Dans la méthode de Langbein (Langbein, 1940) on choisit un intervalle de temps fixe, généralement une journée, et les valeurs de q_0 sont tracées en fonction de q après cet intervalle. Autrement dit, si l'écoulement du jour 1 est q_0, alors l'écoulement du jour 2 est q. De façon similaire, si l'écoulement du jour 2 est q_0, alors l'écoulement du jour 3 est q, et ainsi de suite. Si la loi exponentielle était strictement vraie cela donnerait une ligne droite. Normalement on obtient toutefois une courbe dont la pente varie progressivement. Dans la méthode de la courbe composite (Snyder, 1939), on assemble les décrues de diverses tempêtes jusqu'à l'obtention d'une courbe composite couvrant la gamme nécessaire d'écoulements. On fabrique souvent un gabarit se conformant à cette courbe. Toutes ces méthodes sont décrites de façon détaillée par Linsley et coll. (1958).

There are practical difficulties with all these methods. In the Barnes method, it is almost impossible to distinguish the transition from one line to another and often separation is purely guesswork. In the Langbein method also, the change in slope is so gradual that obtaining a correct value of α is very difficult. The Composite Curve method gives the most acceptable results; however, obtaining the recession segments for different storms at a given gauging station is extremely difficult and requires a long period of record.

At present, therefore, no technique exists which can give recession curves of acceptable accuracy with reasonable rapidity and ease. The objective of the present study was to investigate this problem. The following section discusses the approach which has been used.

SUGGESTED TECHNIQUE

If we carefully examine streamflow hydrographs, it becomes evident that segments during the dry period of the year show similar patterns, although flow ranges differ depending on initial ground water conditions. If the ground water level is high in the beginning, the curve remains high; if the level is low, the curve is low. These patterns are often distributed by storms and any one of Horton's types 1 to 3 stream rises can take place. It may be noted that Type 0 is the base flow recession curve. The basic definition of this curve proposed in this study is as follows. The base flow recession curve is the envelope of low flows. Since there cannot be any flow less than the base flow for a given initial condition q_0 and time interval t, this envelope will yield a unique segment of the total curve. The method is applicable to both perennial and intermittent streams, although in the latter case the segment showing the ground water discharge will have to be sketched by hand. The flow will drop to zero after a certain time interval and the recession formulas cannot be applied. In the present study, no attempt has been made to obtain curves for such streams.

The envelope does not guarantee the lowest flows which can be observed during a certain time period of the year. However, if the period of record is long and contains one or more years of severe drought, the envelope would tend to approach the limiting segment of the recession curve.

Chacune de ces méthodes pose des difficultés pratiques. Avec la méthode de Barnes, il est presque impossible de distinguer la transition d'une ligne à une autre et souvent la séparation s'effectue purement à l'aveuglette. Avec la méthode de Langbein également, la variation de la pente est tellement progressive qu'il est très difficile d'obtenir une valeur correcte pour α. La méthode de la courbe composite est celle qui donne les résultats les plus acceptables; toutefois l'obtention des segments de décrue pour différentes tempêtes à une station de jaugeage donnée est extrêmement difficile et nécessite des enregistrements portant sur une longue période.

À l'heure actuelle, il n'existe aucune méthode permettant d'établir raisonnablement, rapidement et facilement, des courbes de décrue d'une précision acceptable. La présente étude avait pour objectif d'étudier ce problème. Dans la section suivante on examine la méthode qui a été utilisée.

MÉTHODE PROPOSÉE

À l'examen attentif des hydrogrammes du débit des cours d'eau il devient évident que les segments correspondant à la période sèche de l'année présentent des configurations analogues quoique les étendues de l'écoulement soient différentes en raison de conditions initiales différentes au niveau des eaux souterraines. Si le niveau de l'eau souterraine est élevé au début, la courbe reste élevée et si le niveau est bas, la courbe est basse. Ces configurations sont souvent perturbées par les tempêtes et l'un ou l'autre des trois types de crues de Horton peut alors être observé. On peut noter que le type 0 correspond à la courbe de décrue du débit de base. La définition fondamentale de cette courbe qui est proposée dans la présente étude est la suivante : la courbe de décrue du débit de base est l'enveloppe des écoulements faibles. Puisque l'écoulement ne peut être inférieur au débit de base pour une condition initiale q_0 et un intervalle t donnés, cette enveloppe ne fournit qu'un segment particulier de la courbe totale. La méthode est applicable aux cours d'eau pérennes comme aux cours d'eau temporaires quoique dans ce dernier cas le segment illustrant le débit d'eau souterraine devra être tracé à la main. L'écoulement deviendra nul après un certain intervalle et les formules de décrue ne peuvent être appliquées. Dans la présente étude on n'a pas tenté d'établir des courbes pour de tels cours d'eau.

L'enveloppe n'englobe pas nécessairement les écoulements les plus faibles qui peuvent être observés pendant une certaine période de l'année. Toutefois, si les enregistrements portent sur une longue durée incluant une année ou plus de grave sécheresse, l'enveloppe aura tendance à s'approcher du segment limitant la courbe de décrue.

APPLICATION TO ONTARIO STREAMS

The method discussed in the previous section has been applied to Ontario streams. All streams having records of 10 years or more up to and including the calendar year 1980 were chosen for analysis. Two methods were used for selecting low flows during the five summer months of May to September.

Method 1—In this method, the minimum daily flows of each of the five months of each year of record are taken. The averages of these five flows are computed and arranged in ascending order. The top five values giving the lowest average determine the five low flow years. The minimum daily flows are then plotted according to their day of occurrence for each of the five months for five years giving a total of 25 points. In this method, a chance occurrence of extremely low flow is smoothed out.

Method 2—In this method, the minimum daily flows of each of the five months for all the years of record are taken. These flows are then arranged in ascending order and the five lowest values of each month are selected. These 25 values are then plotted according to their days of occurrence.

As the base flow recession is a continuously decreasing function, these two methods should yield identical results under ideal conditions of flow. However, the flows obtained by these two methods actually differed somewhat owing to differences in losses, measurement errors, effect of varying reservoir regulations, effect of rain storms, etc. It may be pointed out that the flows obtained by Method 2 will always be less than or equal to those obtained by Method 1.

A total of 263 stations has been analyzed. Out of these, 133 were unregulated or natural flow stations and the remaining 130 were regulated. Generally, the summer flows are subjected to so much interference that even the natural flows are not strictly natural. In most streams, the regulation was due to small conservation dams. The drainage areas varied from less than one km^2 to a maximum of 118 000 km^2. A detailed statistical analysis of period of streamflow records and size of drainage areas in Ontario has been provided elsewhere (Sangal, 1981).

Data for all the stations were retrieved from Water Survey of Canada tapes. A reasonable check of the data was carried out, but no exhaustive analysis was done as to

APPLICATION AUX COURS D'EAU ONTARIENS

La méthode examinée dans la section précédente a été appliquée aux cours d'eau ontariens. On a retenu pour analyse tous les cours d'eau pour lesquels on disposait d'enregistrements d'une durée de dix ans ou plus, y compris l'année civile 1980. On a utilisé deux méthodes pour le choix des faibles débits pendant les cinq mois d'été de mai à septembre.

Méthode 1—Par cette méthode on retient les débits quotidiens minimaux pour chacun des cinq mois de chacune des années pour lesquelles on dispose d'enregistrements. On calcule les moyennes de ces cinq débits que l'on dispose en ordre ascendant. Les cinq premières valeurs ainsi obtenues et à partir desquelles on calcule la moyenne la plus faible déterminent les cinq années de faible débit. Les débits quotidiens minimaux sont ensuite portés sur graphique selon le jour de leur observation pour chacun des cinq mois pour les cinq années, ce qui donne un total de 25 points. Par cette méthode on fait disparaître l'observation fortuite d'un débit extrêmement faible.

Méthode 2—Par cette méthode on retient les débits quotidiens minimaux pour chacun des cinq mois de toutes les années pour lesquelles on dispose d'enregistrements. Ces débits sont disposés en ordre ascendant et on choisit les cinq valeurs les plus faibles pour chaque mois. On porte ensuite sur graphique ces 25 valeurs selon le jour de leur observation.

Puisque la décrue du débit de base est une fonction continuellement décroissante, ces deux méthodes devraient donner des résultats identiques dans des conditions idéales d'écoulement. Toutefois, les écoulements réels obtenus à partir de ces deux méthodes diffèrent quelque peu en raison de différences au niveau des pertes, des erreurs de mesure, de l'effet de régularisations variables du réservoir, de l'effet des tempêtes de pluie, etc. On peut souligner que les écoulements obtenus par la méthode 2 seront toujours inférieurs ou égaux à ceux obtenus par la méthode 1.

On a analysé au total 263 stations. Parmi celles-ci 133 mesuraient un écoulement naturel non régularisé et les 130 autres mesuraient des écoulements régularisés. En général les écoulements d'été sont tellement soumis aux interférences que même les écoulements naturels ne sont pas rigoureusement naturels. Dans la plupart des cours d'eau la régularisation était attribuable à de petits barrages de réserve. La superficie des bassins versants variait de moins de un km^2 à un maximum de 118 000 km^2. Une analyse statistique détaillée de la période d'enregistrement du débit des cours d'eau et de l'étendue des bassins versants en Ontario a déjà été présentée ailleurs (Sangal, 1981).

Les données pour toutes les stations ont été tirées des bandes des Relevés hydrologiques du Canada. On a effectué une vérification raisonnable des données sans

their accuracy. It is possible that some data could be in error, especially where zero flows have been recorded. In order to minimize the element of judgment in drawing curves, the methods were first developed to obtain parameters q_0, α and μ. These were applied to the data of Method 2 only. The methods are as follows.

Estimation of α and q_0

From Equation 4,

$$\alpha = - \frac{\ln (q/q_0)}{(t-t_0)}$$

The lowest flow in each month was assumed to be a point on the recession curve; α was computed between pairs of successive points and the average of these values was selected for use. The definition sketch is given in Figure 5. April 30 was taken as t_0.

$$\alpha = \frac{\alpha_1 + \alpha_2 + \alpha_3 + \alpha_4}{4}$$

where

$$\alpha_i = - \frac{\ln (q_{i+1}/q_i)}{(t_{i+1} - t_i)} \qquad (i = 1,2,3,4)$$

Once α was known, q_0 was determined using each successive point, and the average of five values of q_0 was selected for use.

$$q_0 = \frac{(q_0)_1 + (q_0)_2 + (q_0)_3 + (q_0)_4 + (q_0)_5}{5}$$

where

$$(q_0)_i = \frac{q_i}{e^{-\alpha t_i}} \qquad (i = 1,2...5)$$

If any of the successive flows was higher than the previous flow, then the higher value was neglected and the following point was used. For example, if q_3 was higher than q_2, then α_2 was computed between q_2 and q_4 and α was obtained as the average of three values. The value of q_0 was then computed as the average of only four values of $(q_0)_i$. In some cases, parameters were computed using three points only. In general, May flows were the highest and August or September flows were lowest. However, for streams in Northern Ontario, May flows were sometimes affected by freezing conditions, in which case June flow was used as the starting point.

toutefois analyser d'une manière exhaustive leur précision. Il est possible que certaines données soient erronées, en particulier lorsque des écoulements nuls ont été enregistrés. Afin de minimiser l'élément de jugement dans le traçage des courbes, les méthodes ont d'abord été mises au point pour obtenir les paramètres q_0, α et μ. Ces derniers n'ont été appliqués qu'aux seules données de la méthode 2. Les méthodes sont les suivantes.

Estimation de α et de q_0

D'après l'équation 4,

$$\alpha = - \frac{\ln (q/q_0)}{(t-t_0)}$$

On a supposé que l'écoulement le plus faible pour chaque mois correspondait à un point sur la courbe de décrue; α a été calculée entre des paires de points successifs et la moyenne de ces valeurs a été utilisée. On présente à la figure 5 le croquis de définition. On a fixé t_0 au 30 avril.

$$\alpha = \frac{\alpha_1 + \alpha_2 + \alpha_3 + \alpha_4}{4}$$

où

$$\alpha_i = - \frac{\ln (q_{i+1}/q_i)}{(t_{i+1} - t_i)} \qquad (i = 1,2,3,4)$$

Une fois α connue, on a déterminé q_0 en utilisant chaque point successif et on a choisi d'utiliser la moyenne des cinq valeurs de q_0.

$$q_0 = \frac{(q_0)_1 + (q_0)_2 + (q_0)_3 + (q_0)_4 + (q_0)_5}{5}$$

où

$$(q_0)_i = \frac{q_i}{e^{-\alpha t_i}} \qquad (i = 1,2...5)$$

Si l'une des valeurs successives de l'écoulement était plus élevée que la valeur précédente, la valeur plus élevée était négligée et on utilisait le point suivant. Par exemple si q_3 était plus élevé que q_2, on calculait α_2 entre q_2 et q_4 et α était obtenue en faisant la moyenne de trois valeurs. La valeur de q_0 était alors calculée comme étant la moyenne de quatre valeurs de $(q_0)_i$ seulement. Dans certains cas les paramètres ont été calculés à partir de trois points seulements. En général les écoulements en mai étaient les plus élevés et ceux en août ou septembre les plus faibles. Toutefois, pour certains cours d'eau du nord de l'Ontario les écoulements en mai étaient parfois perturbés par le gel. Dans ces cas l'écoulement en juin a été utilisé comme point de départ.

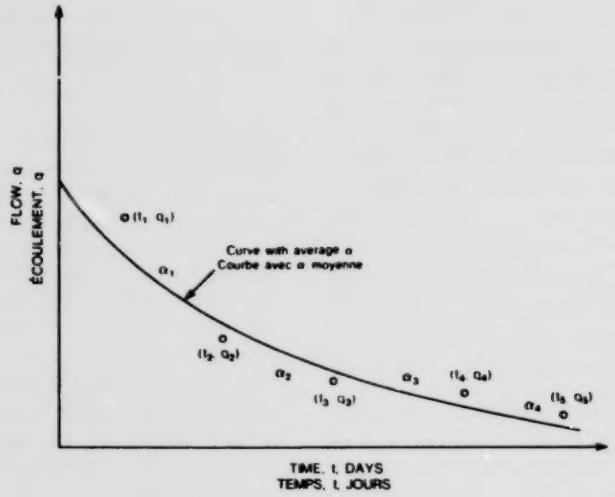


Figure 5. Definition sketch for α.

Figure 5. Croquis de définition pour α.

Estimation of μ

From Equation 14,

$$\mu_i = \frac{1}{t_i}\left[\frac{1}{\sqrt{q_i}} - \frac{1}{\sqrt{q_0}}\right]$$

Using the same values of q_0 and (t_i,q_i) as in the previous section, the values of μ_i were computed. The average of all these values was taken as μ and adopted for use.

Development of Recession Curves

All data of Method 2 were first checked for zero flows. A total of 49 stations was found to have such flows for one or more days. Data from these stations were set aside and the other 214 stations were selected for computer analysis. The parameters α, μ and q_0 were computed by the methods described earlier.

The data of Method 1 and Method 2 were plotted in two separate figures. The two curves were then drawn. Curve 1, drawn as a solid line, is the exponential curve obtained using α and q_0; Curve 2, drawn as a starred line, is the recession curve obtained using μ and q_0. All plotting was done using a Calcomp plotter. The same curves have been drawn on both figures. They have been drawn on the data of Method 1 for comparison only. As stated earlier, only the data of Method 2 were used in computing α, μ and q_0.

Estimation de μ

D'après l'équation 14,

$$\mu_i = \frac{1}{t_i}\left[\frac{1}{\sqrt{q_i}} - \frac{1}{\sqrt{q_0}}\right]$$

En utilisant les mêmes valeurs de q_0 et (t_i,q_i), comme dans la section précédente on a calculé les valeurs de μ_i. On a choisi comme μ et adopté pour utilisation la moyenne de toutes ces valeurs.

Établissement des courbes de décrue

Toutes les données de la méthode 2 ont d'abord fait l'objet d'une vérification pour déceler la présence d'écoulements nuls. Au total on a trouvé 49 stations présentant de tels écoulements pour un jour ou plus. Les données de ces stations ont été retranchées du groupe et les 214 autres stations ont été soumises à l'analyse par ordinateur. Les paramètres α, μ et q_0 ont été calculés au moyen des méthodes décrites antérieurement.

Les données de la méthode 1 et de la méthode 2 ont été portées sur deux figures séparées. Les deux courbes ont ensuite été tracées. La courbe 1 (ligne continue) est la courbe exponentielle obtenue à l'aide de α et de q_0; la courbe 2 (étoiles) est la courbe de décrue obtenue à l'aide de μ et de q_0. Tout le tracé a été effectué au moyen du traçeur Calcomp. Les mêmes courbes ont été tracées sur les deux figures. Elles ont été tracées à partir des données de la méthode 1 à des fins de comparaison seulement. Tel que mentionné précédemment on n'a utilisé que les données de la méthode 2 pour le calcul de α, μ et q_0.

After plotting was completed, all 214 stations were individually studied in detail. Judgment was used in rejecting those which appeared to be in error. After a thorough study, only 93 stations were deemed to have reasonably well developed curves. The data of the remaining 121 stations did not yield good curves, mainly owing to one or more very low flows, sudden changes in flows yielding steep slopes, random data, or increasing flows. The increasing flows were often obtained at the outlet of lakes because of a flow routing effect. All these stations were analyzed individually as described later.

The group of 49 stations with zero flows was further studied in detail. For this group, the summer monthly flows were taken for each station and the minimum monthly flows for the period of record were extracted. These minimum monthly flows were then used as the deciding factor in determining flow characteristics of streams. If the minimum monthly flows for all five months were nonzero, then the zero occurrence of one or more minimum daily flows was considered a chance occurrence. These streams were considered perennial streams and no weight was given to zero flows. Streams for which one or more minimum monthly flows were also zero were considered intermittent. No recession curves were developed for them. Based on this criterion, 31 streams were designated perennial and 18 were designated intermittent.

The 121 stations with nonzero daily flows constituting the rejects from computer analysis and the 31 stations with zero daily flows but nonzero minimum monthly flows—a total of 152 stations—were analyzed as a group. It was decided to develop only the exponential curve, which is the most common practice. The following method was used. Low points varying in number from a minimum of 3 up to 7 or 8 were selected from the data of Method 2. These points with their time axis coordinates starting from April 30 as zero and increasing in units of one day were input in the Hewlett-Packard 97 desk calculator Standard Pac program of Curve Fitting to fit the exponential curve. The program gave the values of q_0, α and the coefficient of determination. Some adjustments in data selection were made to achieve a better fit.

Occasionally, the data of Method 1 were also checked to see whether a particular year gave a smooth curve. In some cases, this curve was adopted. The values of α and q_0 thus obtained were used in developing recession curves for all 152 stations.

Après le traçé, chacune des 214 stations a été étudiée séparément d'une manière détaillée. On a rejeté celles que l'on jugeait erronnées. Après une étude minutieuse on a jugé que 93 stations seulement présentaient des courbes raisonnablement précises. Les données pour les 121 autres stations ne donnaient pas de bonnes courbes; cela était principalement attribuable à l'existence d'un ou plusieurs écoulements très faibles, à des variations subites des écoulements qui donnaient des pentes fortes, à des données dues au hasard, ou à des débits croissants. Les débits croissants étaient souvent obtenus à l'exutoire de lacs à cause d'un effet de cheminement de l'écoulement. Toutes ces stations ont été analysées séparément de la manière décrite ci-après.

Le groupe de 49 stations avec écoulements nuls a été étudié d'une manière plus approfondie. Pour chacune des stations de ce groupe on a relevé les écoulements des mois d'été et on a extrait les écoulements mensuels minimaux pendant la période d'enregistrements. Ces écoulements mensuels minimaux ont ensuite été utilisés comme facteur principal pour déterminer les caractéristiques de l'écoulement des cours d'eau. Si les écoulements mensuels minimaux pour chacun des cinq mois n'étaient pas nuls on considérait que l'observation d'un ou plusieurs écoulements quotidiens minimaux égaux à zéro était attribuable au hasard. Ces cours d'eau ont été considérés comme étant des cours d'eau pérennes et aucun poids n'a été accordé aux écoulements nuls. Les cours d'eau pour lesquels un ou plusieurs écoulements mensuels minimaux étaient nuls ont été considérés intermittents. Aucune courbe de décrue n'a été établie pour ces cours d'eau. D'après ces critères 31 cours d'eau ont été désignés pérennes et 18 intermittents.

Les 121 stations avec écoulements quotidiens non nuls rejetées après l'analyse par ordinateur et les 31 stations avec écoulements quotidiens nuls, mais écoulements mensuels minimaux non nuls ont été analysées en tant qu'un seul et même groupe de 152 stations. On a décidé de n'établir que la courbe exponentielle qui constitue la méthode la plus courante. On a adopté la méthode suivante : parmi les données de la méthode 2 on a choisi un nombre variable de points, d'un minimum de 3 à 7 ou 8, de valeurs faibles. Ces points pour lesquels le début de la période est le 30 avril et pour lesquels on a tenu compte d'un intervalle d'un jour ont été utilisés comme données d'entrée pour le programme Standard Pac d'ajustement à une courbe de la machine à calculer de bureau Hewlett-Packard 97 pour ajustement à la courbe exponentielle. Ce programme a donné les valeurs de q_0, de α et le coefficient de détermination. On a effectué certaines modifications au choix des données afin d'obtenir un meilleur ajustement.

À l'occasion on a également vérifié les données de la méthode 1 afin de voir si une année particulière donnait une courbe régulière. Dans certains cas cette courbe a été adoptée. Les valeurs de α et de q_0 obtenues de cette manière ont été utilisées pour établir les courbes de décrue pour chacune des 152 stations.

Graphs and Printout Sheets

Appendix A contains all graphs and printout sheets in alphabetical order.

Based upon the methodology discussed above, all 263 stations studied in this report can be classified into four groups.

Group 1—This group consists of 93 stations for which the data were analyzed by computer according to a predetermined procedure. No element of judgment was involved in this group. The printout sheets give the station information, original data of Method 1 and Method 2, and the computer values of α, μ and q_0 obtained from the data of Method 2. The total volume of dry-weather runoff is given in cubic decametres (1 dm^3 = 1000 m^3) for each month under each curve. The total of all five months is given in cubic decametres as well as in centimetres over the watershed.

Graphs are shown for Method 1 and Method 2. The same curves have been plotted on both graphs. Curve 1 is the exponential curve and Curve 2 is the curve for the nonartesian aquifer using μ.

Group 2—This is the group of 121 stations for which the minimum daily flows are nonzero. The computer analysis did not yield acceptable results for these stations. The values of α and q_0 have been obtained on desk calculator using points selected by judgment. These values, along with the original data, are given on the printout sheets.

The graphs contain plots of data for both methods. The same exponential curve is shown on both graphs. No dry-weather runoff was computed under this curve.

Group 3—This is the group of 31 stations for which one or more minimum daily flows are zero but minimum monthly flows for all months are nonzero. The printout sheets for these stations contain the values of α and q_0 and also the values of minimum monthly flows. The monthly flow values are for reference only. They have not been used in any computations. As in Group 2, the same exponential curve has been shown on both graphs.

Group 4—This is the group of 18 stations for which one or more minimum daily flows as well as one or more minimum monthly flows are zero. On the printout sheets,

Graphiques et sorties sur imprimante

L'annexe A contient tous les graphiques et sorties sur imprimante, en ordre alphabétique.

D'après la méthode examinée plus haut, on peut classer chacune des 263 stations étudiées dans l'un ou l'autre de quatre groupes.

Groupe 1—Ce groupe comprend les 93 stations pour lesquelles toutes les données ont été analysées par ordinateur selon une méthode prédéterminée. Aucun élément de jugement n'intervint pour ce groupe. Les sorties sur imprimante donnent les renseignements pour les stations, les données originales de la méthode 1 et de la méthode 2, et les valeurs pour α, μ et q_0 obtenues par ordinateur à partir des données de la méthode 2. On donne également en décamètres cubes (1 dm^3 = 1000 m^3) le volume total du débit d'étiage pour chaque mois sous chaque courbe. Le total pour l'ensemble des cinq mois est donné en décamètres cubes ainsi qu'en centimètres pour le bassin versant.

Les graphiques indiquent chacune des méthodes 1 et 2. Les mêmes courbes ont été tracées sur les deux graphiques. La courbe 1 est la courbe exponentielle et la courbe 2 celle pour l'aquifère non artésien basé sur l'utilisation de μ.

Groupe 2—Ce groupe comprend les 121 stations pour lesquelles les écoulements quotidiens minimaux ne sont pas nuls. L'analyse par ordinateur n'a pas donné de résultats acceptables pour ces stations. Les valeurs de α et q_0 ont été obtenues au moyen d'une calculatrice de bureau en utilisant des points choisis avec discernement. Ces valeurs, ainsi que les données originales, sont données sur les sorties sur imprimante.

Les graphiques présentent des tracés des données pour les deux méthodes. La même courbe exponentielle est représentée sur les deux graphiques. Aucun débit d'étiage n'a été calculé sous cette courbe.

Groupe 3—Ce groupe comprend les 31 stations pour lesquelles un écoulement quotidien minimal ou plus était égal à zéro, mais pour lesquelles les écoulements mensuels minimaux sont différents de zéro pour tous les mois. Les sorties sur imprimante pour ces stations donnent les valeurs de α et de q_0 ainsi que les valeurs des écoulements mensuels minimaux. Les valeurs de l'écoulement mensuel ne sont données que pour référence. Elles n'ont pas été utilisées pour les calculs. Comme dans le cas du groupe 2, la même courbe exponentielle a été représentée sur les deux graphiques.

Groupe 4—Ce groupe comprend les 18 stations pour lesquelles un écoulement quotidien minimal ou plus ainsi qu'un écoulement mensuel ou plus sont égaux à zéro. Les

the values of minimum monthly flows are also given. No curves have been obtained for this group. The graphs show only the plots of data. The streams in this group have been designated as intermittent streams.

ANALYSIS OF RESULTS

This study has yielded data on four characteristics of Ontario streams: (1) α; (2) μ; (3) q_0; and (4) dry-weather runoff. An analysis of these data follows.

Characteristics of α

Table 2 gives the distribution of α for the 152 stations analyzed with desk calculator. The median value is about 0.0155. The data for the four stations for which α is zero were so random that no curve could be fitted. A straight line through the plotted points was taken as the recession curve.

Table 3 gives the distribution of α for 93 stations analyzed by computer. The median value of α for this group is about 0.0151, which is about the same as for the other 152 stations. These tables suggest that the results obtained by the two procedures are comparable.

valeurs des écoulements mensuels minimaux sont aussi données sur les sorties sur imprimante. Aucune courbe n'a été établie pour ce groupe. Les graphiques ne présentent que des tracés des données. Les cours d'eau de ce groupe ont été désignés intermittents.

ANALYSE DES RÉSULTATS

La présente étude a fourni des données sur quatre des caractéristiques des cours d'eau ontariens : 1) α, 2) μ 3) q_0 et 4) débit d'étiage. Suit une analyse de ces données.

Caractéristiques de α

Le tableau 2 présente la distribution des valeurs de α pour les 152 stations analysées par calculatrice de bureau. La valeur médiane est environ de 0.0155. Les données pour les quatre stations pour lesquelles la valeur de α est de zéro étaient tellement dispersées qu'aucune courbe ne pouvait être ajustée. On a adopté comme courbe de décrue une ligne droite passant par les points tracés.

Le tableau 3 donne la distribution de α pour 93 stations analysées par ordinateur. La valeur médiane de α pour ce groupe est d'environ 0.0151, soit presque la même que pour l'ensemble des 152 autres stations. Ces tableaux suggèrent que les résultats obtenus au moyen des deux méthodes sont comparables.

Table 2. Distribution of α for 152 Stations

Tableau 2. Distribution des valeurs de α pour 152 stations

Interval/Intervalle $\times 10^{-4}$	Number/Nombre	Percentage of total/ Pourcentage du nombre total	Cumulative percentage/ Pourcentage cumulatif
0	4	2.6	2.6
1-50	8	5.3	7.9
51-100	28	18.4	26.3
101-150	33	21.7	48.0
151-200	20	13.2	61.2
201-250	33	21.7	82.9
251-300	18	11.8	94.7
301-350	7	4.6	99.3
351-400	1	0.7	100.0

Table 3. Distribution of α for 93 Stations

Tableau 3. Distribution des valeurs de α pour 93 stations

Interval/Intervalle $\times 10^{-4}$	Number/Nombre	Percentage of total/ Pourcentage du nombre total	Cumulative percentage/ Pourcentage cumulatif
1-50	5	5.4	5.4
51-100	17	18.3	23.7
101-150	24	25.8	49.5
151-200	17	18.3	67.8
201-250	16	17.2	85.0
251-300	9	9.7	94.7
301-350	3	3.2	97.9
351-400	2	2.1	100.0

In this study, the value of α is assumed to be constant; however, in some studies it has been shown that α increases as the base flow increases (Roche, 1963). A plot of α vs. drainage area gave no relationship. Also, no regional pattern of this characteristic was evident.

Dans la présente étude on a supposé que la valeur de α était constante; toutefois, il a été démontré dans certaines études que la valeur de α augmente à mesure que le débit de base augmente (Roche, 1963). Un graphique de la valeur de α en fonction de la superficie du bassin versant n'a indiqué aucune relation. De plus, aucune configuration régionale n'était évidente pour cette caractéristique.

Characteristics of μ

The values of μ have been obtained for 93 stations from Group 1. The distribution of these values is given in Table 4. The median value of μ is about 0.0055; however, its distribution is much more skewed than that of α. The large values of μ correspond to small values of q_0. For a given α, μ increases as q_0 decreases since the term $\mu \sqrt{q_0}$ must remain constant.

Caractéristiques de μ

Les valeurs de μ ont été obtenues pour les 93 stations du groupe 1. La distribution de ces valeurs est présentée au tableau 4. La valeur médiane de μ est d'environ 0.0055; toutefois cette distribution est beaucoup plus asymétrique que celle des valeurs de α. Les valeurs élevées de μ correspondent aux valeurs faibles de q_0. Pour une valeur donnée de α, μ augmente en fonction d'une diminution de q_0 puisque le terme $\mu \sqrt{q_0}$ doit rester constant.

Table 4. Distribution of μ for 93 Stations

Tableau 4. Distribution des valeurs de μ pour 93 stations

Interval/Intervalle $\times 10^{-4}$	Number/Nombre	Percentage of total/ Pourcentage du nombre total	Cumulative percentage/ Pourcentage cumulatif
1-50	43	46.2	46.2
51-100	19	20.4	66.6
101-150	8	8.6	75.2
151-200	7	7.5	82.7
201-250	1	1.1	83.8
251-300	1	1.1	84.9
301-350	3	3.2	88.1
351-400	2	2.2	90.3
>400	9	9.7	100.0

Characteristics of q_0

This flow represents the flow at $t_0 = 0$ or on April 30 in this study. As discussed earlier, its value was computed by a straightforward method. No attempt was made to relate it to recorded flows on April 30 or to flows of any other duration.

Dry-weather Runoff

The total volume of runoff under the base flow is called dry-weather runoff and represents the runoff under severe drought conditions. This runoff was computed for the 93 stations of Group 1. Values were computed under both curves and are given on the printout sheets. A distribution of values under the exponential curve is given in Table 5.

Caractéristiques de q_0

Cet écoulement représente l'écoulement à $t_0 = 0$ ou le 30 avril dans la présente étude. Tel que mentionné précédemment, cette valeur a été calculée par une méthode directe. Aucune tentative n'a été effectuée dans le but de la relier aux écoulements enregistrés le 30 avril ou aux écoulements pendant toute autre période.

Débit d'étiage

Le volume total de l'écoulement inférieur au débit de base est appelé le débit d'étiage et il constitue l'écoulement en période de sécheresse grave. Cet écoulement a été calculé pour les 93 stations du groupe 1. Les valeurs ont été calculées sous les deux courbes et sont données sur les sorties sur imprimante. Le tableau 5 présente une distribution des valeurs sous la courbe exponentielle.

Table 5. Distribution of Dry-weather Runoff for 93 Stations

Tableau 5. Distribution des valeurs du débit d'étiage pour 93 stations

Interval/Intervalle cm	Number/Nombre	Percentage of total/ Pourcentage du nombre total	Cumulative percentage/ Pourcentage cumulatif
0-1	25	26.9	26.9
1-2	14	15.0	41.9
2-3	12	12.9	54.8
3-4	11	11.8	66.7
4-5	10	10.7	77.4
5-6	9	9.7	87.1
6-7	6	6.4	93.5
7-8	2	2.2	95.7
8-9	1	1.1	96.8
9-10	1	1.1	97.8
10-11	–	–	97.8
11-12	–	–	97.8
12-13	–	–	97.8
13-14	2	2.2	100.0

The median value is about 2.6 cm, while the mean is about 3.2 cm because of a few large values. The minimum values are close to zero; the largest values exceed 13 cm. An attempt was made to relate this parameter to the mean summer flow of five months. No relationship was found between these two variables.

CONCLUSIONS

The following conclusions can be drawn from this study.

1. A new technique for developing base flow recession curves has been suggested and applied to streams in Ontario.

2. The median value of the exponential recession constant α has been found to be about 0.0155.

3. The median value of the recession constant μ as applicable to nonartesian aquifers has been found to be about 0.0055.

4. The dry-weather runoff varies considerably in the region from almost no runoff to a value exceeding 13 cm. The median value is about 2.6 cm and the mean is about 3.2 cm.

5. Most streams in the region are perennial, although there are a few which can run dry during the summer months. This, of course, also depends on the size of the stream.

La valeur médiane est d'environ 2.6 cm et la moyenne d'environ 3.2 cm en raison de quelques valeurs élevées. Les valeurs minimales se rapprochent de zéro; les valeurs les plus élevées dépassent les 13 cm. On a tenté d'établir une relation entre ce paramètre et l'écoulement estival moyen pendant cinq mois. Aucune relation n'a été constatée entre ces deux variables.

CONCLUSIONS

On peut tirer les conclusions suivantes de la présente étude :

1. On a proposé une nouvelle méthode pour l'établissement des courbes de décrue du débit de base qui a été appliquée à des cours d'eau en Ontario.

2. La valeur médiane de la constante exponentielle de décrue, α, était d'environ 0.0155.

3. La valeur médiane de la constante de décrue, μ, applicable aux aquifères non artésiens était d'environ 0.0055.

4. Le débit d'étiage varie considérablement dans la région et passe de valeurs presque nulles à plus de 13 cm. La valeur médiane est d'environ 2.6 cm et la moyenne d'environ 3.2 cm.

5. La plupart des cours d'eau de la région sont pérennes quoique quelques-uns d'entre eux peuvent tarir pendant les mois d'été. Cela dépend évidemment aussi de l'importance du cours d'eau.

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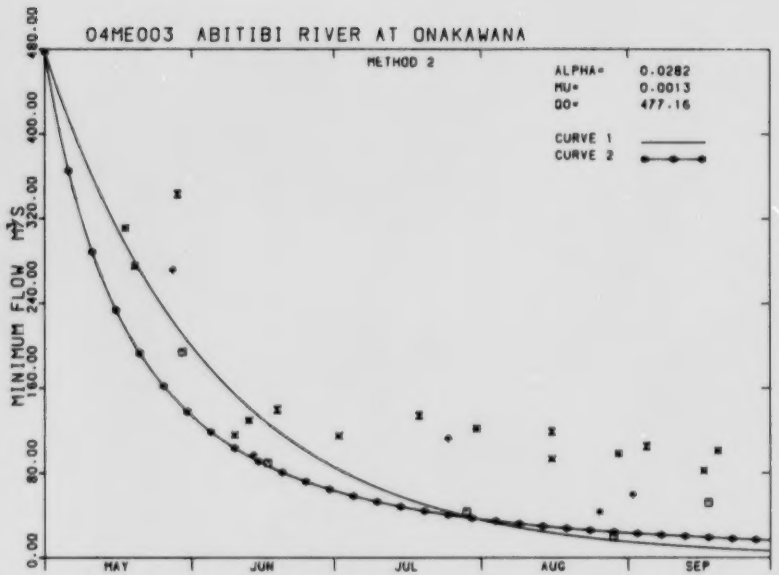
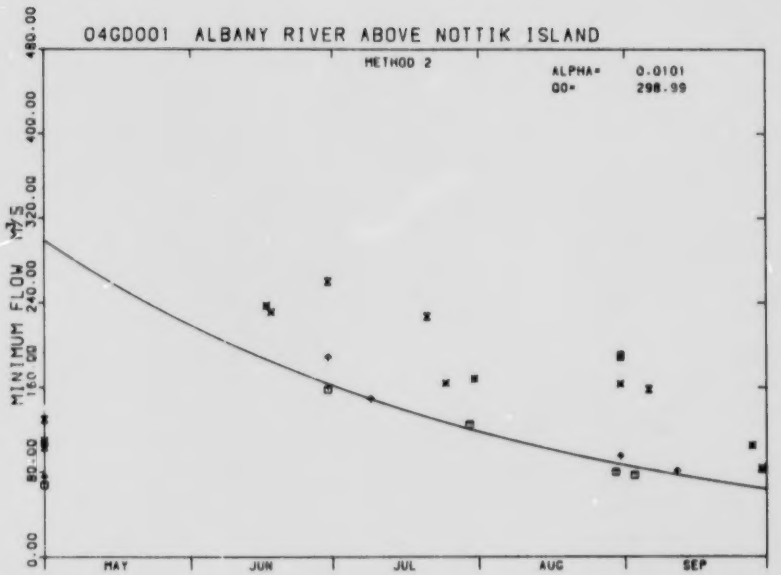
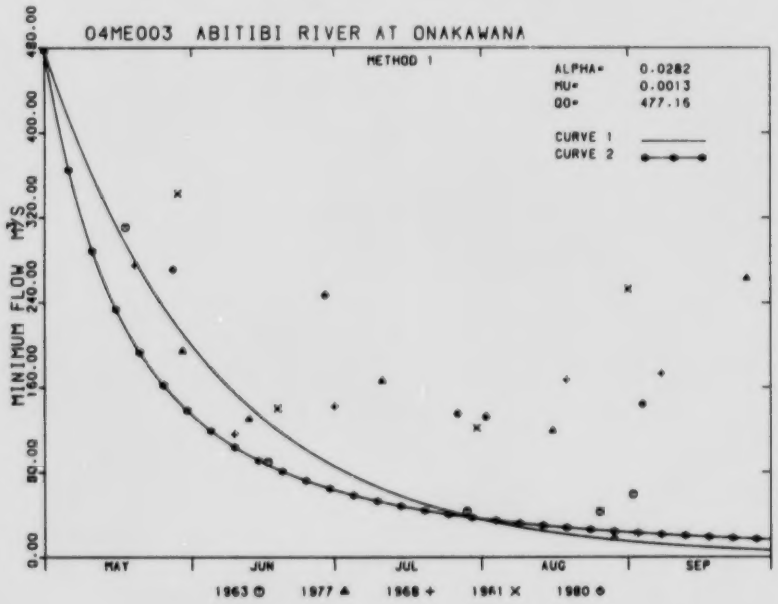
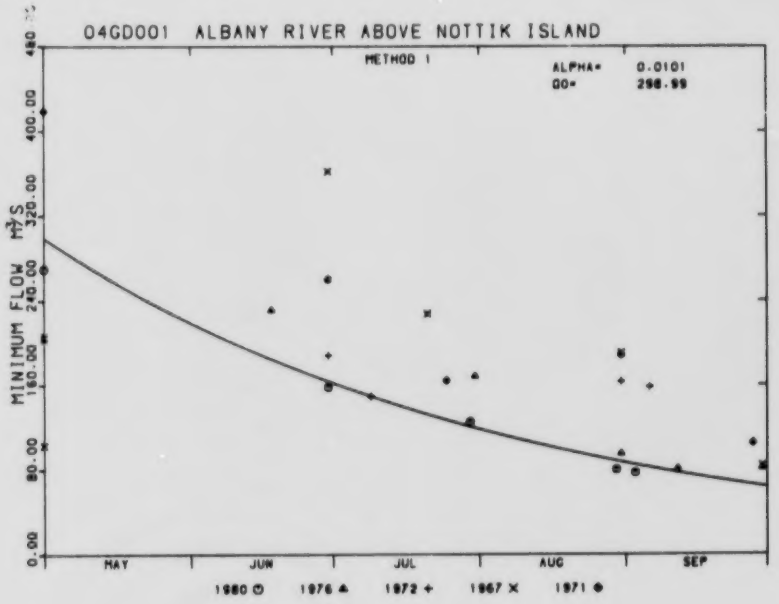
Appendix A
Graphs and Printout Sheets

Annexe A
Graphiques et sorties d'imprimante


04ME003 ABITIBI RIVER AT ONAKAWANA
METHOD 2
ALPHA= 0.0282
MU= 0.0013
QO= 477.16
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480.00
MAY
JUN
JUL
AUG
SEP


04GD001 ALBANY RIVER ABOVE NOTTIK ISLAND
METHOD 2
ALPHA= 0.0101
QO= 298.99
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480.00
MAY
JUN
JUL
AUG
SEP


04ME003 ABITIBI RIVER AT ONAKAWANA
METHOD 1
ALPHA= 0.0282
MU= 0.0013
QO= 477.16
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480.00
MAY
JUN
JUL
AUG
SEP
1963 ⊙ 1977 ▲ 1968 + 1981 × 1980 ◆


04GD001 ALBANY RIVER ABOVE NOTTIK ISLAND
METHOD 1
ALPHA= 0.0101
QO= 298.99
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1972 + 1967 × 1971 ◆

04ME003 ABITIBI RIVER AT ONAKAWANA

DRAINAGE AREA 27500 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1963	MAY	18	311.00	MAY	1977	30	194.00
1963	JUN	17	89.80	MAY	1980	28	271.00
1963	JUL	29	43.30	MAY	1968	20	275.00
1963	AUG	26	42.80	MAY	1963	18	311.00
1963	SEP	2	59.20	MAY	1961	29	343.00
1977	MAY	30	194.00	JUN	1963	17	89.80
1977	JUN	13	130.00	JUN	1971	14	96.60
1977	JUL	11	166.00	JUN	1968	10	116.00
1977	AUG	16	119.00	JUN	1977	13	130.00
1977	SEP	26	263.00	JUN	1961	19	140.00
1968	MAY	20	275.00	JUL	1963	29	43.30
1968	JUN	10	116.00	JUL	1980	25	112.00
1968	JUL	1	142.00	JUL	1971	2	115.00
1968	AUG	19	167.00	JUL	1961	31	122.00
1968	SEP	8	173.00	JUL	1976	19	134.00
1961	MAY	29	343.00	AUG	1961	29	20.30
1961	JUN	19	140.00	AUG	1963	26	42.80
1961	JUL	31	122.00	AUG	1970	16	93.20
1961	AUG	29	20.30	AUG	1971	30	98.00
1961	SEP	1	253.00	AUG	1977	16	119.00
1980	MAY	28	271.00	SEP	1972	18	51.80
1980	JUN	29	247.00	SEP	1963	2	59.20
1980	JUL	27	135.00	SEP	1966	17	82.10
1980	AUG	2	132.00	SEP	1960	20	101.00
1980	SEP	4	144.00	SEP	1971	5	105.00

ALPHA= .0282 MU= .0013 QO= 477.16

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	852038.9	348200.1	152550.4	63645.4	26009.8	1442444.6	5.25
CURVE 2	677052.5	238549.9	128032.4	77767.7	50830.0	1172232.5	4.26

04GD001 ALBANY RIVER ABOVE HOTTIK ISLAND

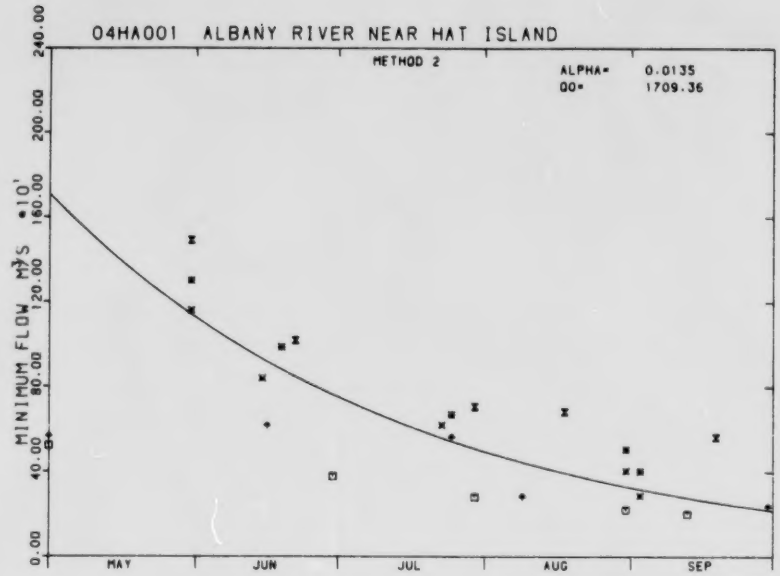
DRAINAGE AREA 32400 SQ KM REGULATED

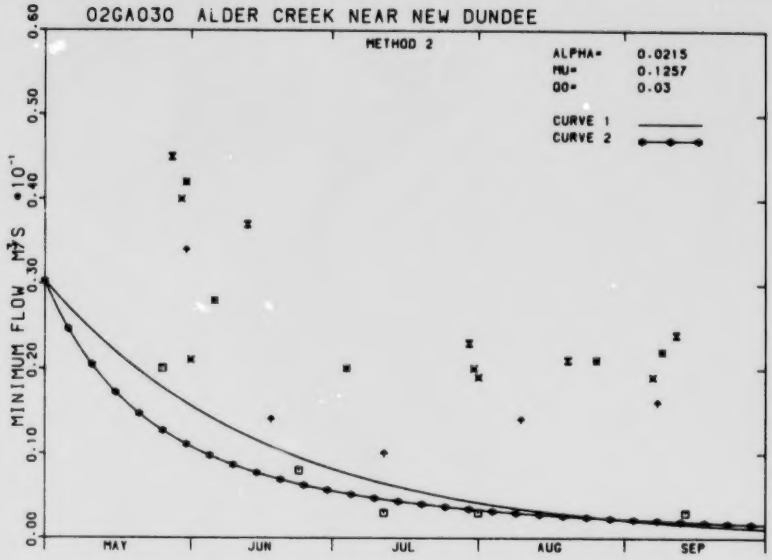
PERIOD OF RECORD 1966-80

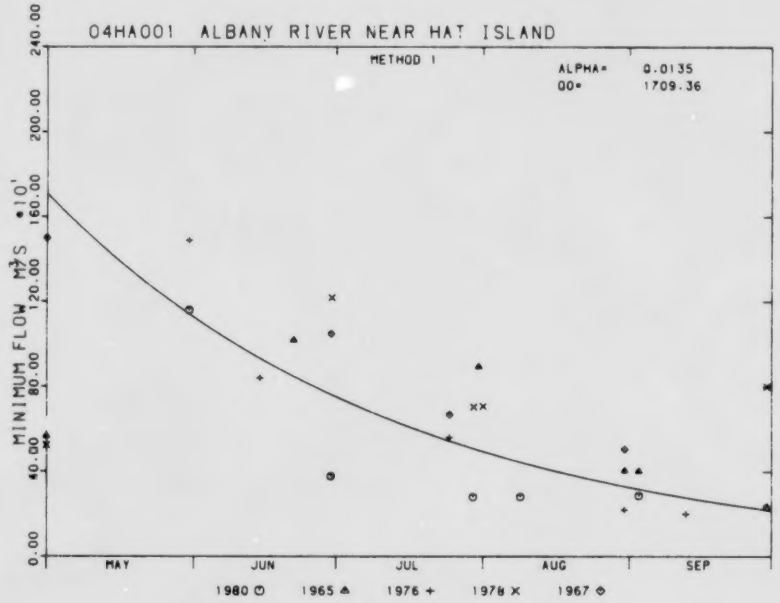
DISCHARGES IN CUBIC METRES PER SECOND

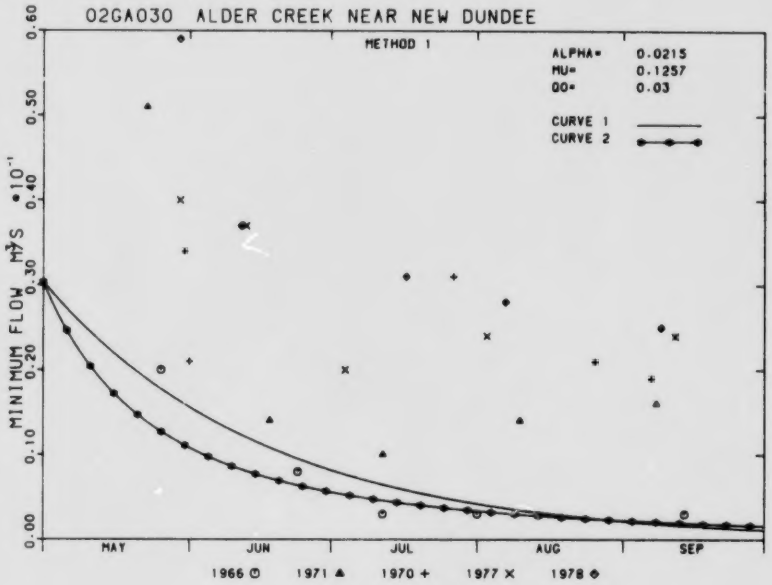
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	1	270.00	MAY	1978	1	68.00
1980	JUN	30	158.00	MAY	1974	1	75.30
1980	JUL	30	125.00	MAY	1967	1	103.00
1980	AUG	30	80.10	MAY	1970	1	110.00
1980	SEP	3	77.30	MAY	1979	1	130.00
1976	MAY	1	204.00	JUN	1980	30	158.00
1976	JUN	18	231.00	JUN	1972	30	188.00
1976	JUL	31	168.00	JUN	1976	18	231.00
1976	AUG	31	94.90	JUN	1977	17	237.00
1976	SEP	12	80.70	JUN	1971	30	260.00
1972	MAY	1	208.00	JUL	1980	30	125.00
1972	JUN	30	188.00	JUL	1972	9	149.00
1972	JUL	9	149.00	JUL	1971	29	164.00
1972	AUG	31	163.00	JUL	1976	31	168.00
1972	SEP	6	158.00	JUL	1967	21	227.00
1967	MAY	1	103.00	AUG	1980	30	80.10
1967	JUN	30	362.00	AUG	1976	31	94.90
1967	JUL	21	227.00	AUG	1972	31	163.00
1967	AUG	31	190.00	AUG	1971	31	188.00
1967	SEP	30	83.80	AUG	1967	31	190.00
1971	MAY	1	419.00	SEP	1980	3	77.30
1971	JUN	30	260.00	SEP	1976	12	80.70
1971	JUL	25	164.00	SEP	1967	30	83.80
1971	AUG	31	188.00	SEP	1971	28	105.00
1971	SEP	28	105.00	SEP	1972	6	158.00

ALPHA= .0101 QO= 298.99


04HA001 ALBANY RIVER NEAR HAT ISLAND
METHOD 2
ALPHA= 0.0135
QO= 1709.36
MINIMUM FLOW M³/S •10¹
240.00
200.00
160.00
120.00
80.00
40.00
0.00
MAY
JUN
JUL
AUG
SEP


02GA030 ALDER CREEK NEAR NEW DUNDEE
METHOD 2
ALPHA= 0.0215
MU= 0.1257
QO= 0.03
CURVE 1
CURVE 2
MINIMUM FLOW M³/S •10⁻¹
0.60
0.50
0.40
0.30
0.20
0.10
0.00
MAY
JUN
JUL
AUG
SEP


04HA001 ALBANY RIVER NEAR HAT ISLAND
METHOD 1
ALPHA= 0.0135
QO= 1709.36
MINIMUM FLOW M³/S •10¹
240.00
200.00
160.00
120.00
80.00
40.00
0.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1965 ▲ 1976 + 1978 × 1967 ◇


02GA030 ALDER CREEK NEAR NEW DUNDEE
METHOD 1
ALPHA= 0.0215
MU= 0.1257
QO= 0.03
CURVE 1
CURVE 2
MINIMUM FLOW M³/S •10⁻¹
0.60
0.50
0.40
0.30
0.20
0.10
0.00
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1971 ▲ 1970 + 1977 × 1978 ◇

04HA001 ALBANY RIVER NEAR HAT ISLAND

DRAINAGE AREA 118000 SQ KM REGULATED

PERIOD OF RECORD 1964-80

DISCHARGES IN CUBIC METRES PER SECOND

			METHOD 1				METHOD 2
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	1160.00	MAY	1978	1	524.00
1980	JUN	30	378.00	MAY	1965	1	566.00
1980	JUL	30	280.00	MAY	1980	31	1160.00
1980	AUG	9	281.00	MAY	1977	31	1300.00
1980	SEP	3	287.00	MAY	1976	31	1490.00
1965	MAY	1	566.00	JUN	1980	30	378.00
1965	JUN	22	1020.00	JUN	1977	16	617.00
1965	JUL	31	895.00	JUN	1976	15	841.00
1965	AUG	31	405.00	JUN	1973	19	988.00
1965	SEP	3	402.00	JUN	1965	22	1020.00
1976	MAY	31	1490.00	JUL	1980	30	280.00
1976	JUN	15	841.00	JUL	1976	25	561.00
1976	JUL	25	561.00	JUL	1979	23	620.00
1976	AUG	31	221.00	JUL	1967	25	668.00
1976	SEP	13	201.00	JUL	1978	30	705.00
1978	MAY	1	524.00	AUG	1976	31	221.00
1978	JUN	30	1220.00	AUG	1980	9	281.00
1978	JUL	30	705.00	AUG	1965	31	405.00
1978	AUG	1	708.00	AUG	1967	31	507.00
1978	SEP	30	801.00	AUG	1977	18	682.00
1967	MAY	1	1500.00	SEP	1976	13	201.00
1967	JUN	30	1050.00	SEP	1967	30	235.00
1967	JUL	25	668.00	SEP	1980	3	287.00
1967	AUG	31	507.00	SEP	1965	3	402.00
1967	SEP	30	235.00	SEP	1975	19	564.00

ALPHA= .0135 QO= 1709.36

02GA030 ALDER CREEK NEAR NEW DUNDEE

DRAINAGE AREA 49.7 SQ KM REGULATED

PERIOD OF RECORD 1965-80

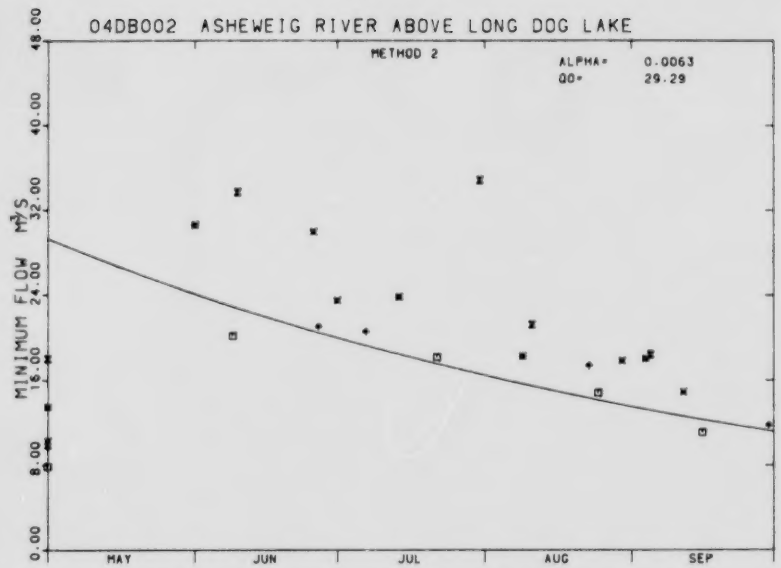
DISCHARGES IN CUBIC METRES PER SECOND

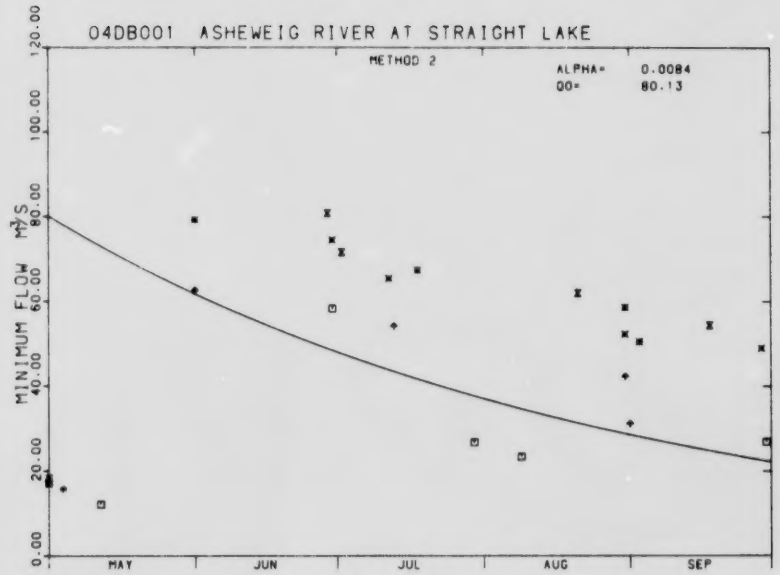
			METHOD 1				METHOD 2
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	26	.020	MAY	1966	26	.020
1966	JUN	24	.008	MAY	1970	31	.034
1966	JUL	12	.003	MAY	1977	30	.040
1966	AUG	1	.003	MAY	1967	31	.042
1966	SEP	14	.003	MAY	1972	28	.045
1971	MAY	23	.051	JUN	1966	24	.008
1971	JUN	18	.014	JUN	1971	18	.014
1971	JUL	12	.010	JUN	1970	1	.021
1971	AUG	10	.014	JUN	1967	6	.028
1971	SEP	8	.016	JUN	1977	13	.037
1970	MAY	31	.034	JUL	1966	12	.003
1970	JUN	1	.021	JUL	1971	12	.010
1970	JUL	27	.031	JUL	1975	31	.020
1970	AUG	26	.021	JUL	1977	4	.020
1970	SEP	7	.019	JUL	1968	30	.023
1977	MAY	30	.040	AUG	1966	1	.003
1977	JUN	13	.037	AUG	1971	10	.014
1977	JUL	4	.020	AUG	1975	1	.019
1977	AUG	3	.024	AUG	1970	26	.021
1977	SEP	12	.024	AUG	1974	20	.021
1978	MAY	30	.059	SEP	1966	14	.003
1978	JUN	12	.037	SEP	1971	8	.016
1978	JUL	17	.031	SEP	1970	7	.019
1978	AUG	7	.028	SEP	1973	9	.022
1978	SEP	9	.025	SEP	1977	12	.024

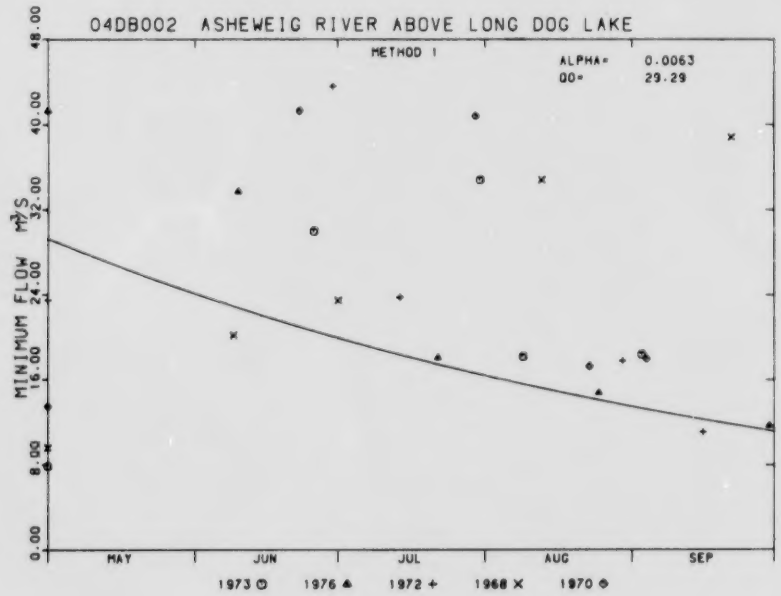
ALPHA= .0215 MU= .1257 QO= .03

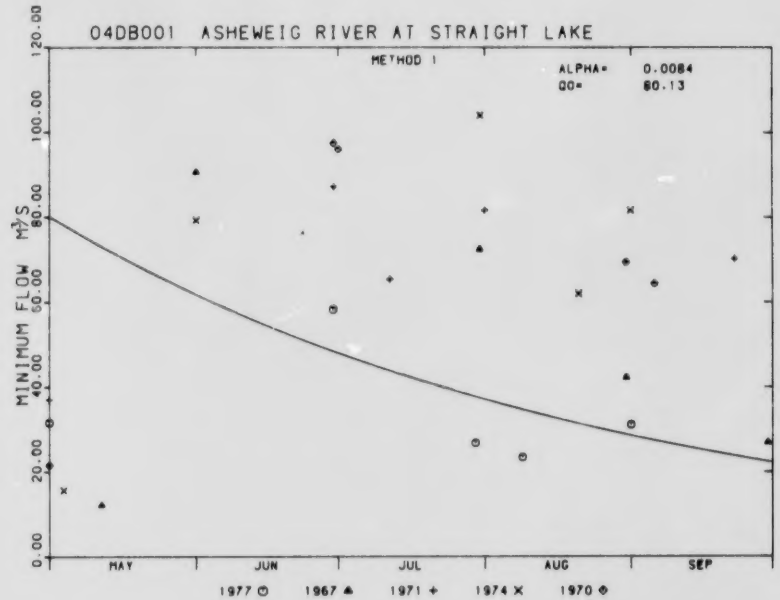
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	59.3	29.7	16.0	8.2	4.1	117.3	.24
CURVE 2	48.4	20.1	11.5	7.3	4.9	92.2	.19


04DB002 ASHEWEIG RIVER ABOVE LONG DOG LAKE
METHOD 2
ALPHA= 0.0063
QO= 29.29
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04DB001 ASHEWEIG RIVER AT STRAIGHT LAKE
METHOD 2
ALPHA= 0.0084
QO= 80.13
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


04DB002 ASHEWEIG RIVER ABOVE LONG DOG LAKE
METHOD 1
ALPHA= 0.0063
QO= 29.29
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1973 ⊙ 1976 ▲ 1972 + 1968 × 1970 ◆


04DB001 ASHEWEIG RIVER AT STRAIGHT LAKE
METHOD 1
ALPHA= 0.0084
QO= 80.13
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1967 ▲ 1971 + 1974 × 1970 ◆

04DB002 ASHEWEIG RIVER ABOVE LONG DOG LAKE

DRAINAGE AREA 3240 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-77

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1973	MAY	1	7.87	MAY	1973	1	7.87
1973	JUN	26	30.00	MAY	1968	1	9.63
1973	JUL	31	34.80	MAY	1974	1	10.30
1973	AUG	9	18.20	MAY	1970	1	13.50
1973	SEP	3	18.40	MAY	1975	1	18.00
1976	MAY	1	41.30	JUN	1968	9	20.20
1976	JUN	10	33.70	JUN	1971	27	21.00
1976	JUL	22	18.10	JUN	1973	26	30.00
1976	AUG	25	14.80	JUN	1969	1	30.60
1976	SEP	30	11.70	JUN	1976	10	33.70
1972	MAY	1	23.50	JUL	1976	22	18.10
1972	JUN	30	43.60	JUL	1971	7	20.50
1972	JUL	14	23.80	JUL	1968	1	23.50
1972	AUG	30	17.80	JUL	1972	14	23.80
1972	SEP	16	11.10	JUL	1973	31	34.80
1968	MAY	1	9.63	AUG	1976	25	14.80
1968	JUN	9	20.20	AUG	1970	23	17.30
1968	JUL	1	23.50	AUG	1972	30	17.80
1968	AUG	13	34.80	AUG	1973	9	18.20
1968	SEP	22	38.80	AUG	1974	11	21.20
1970	MAY	1	13.50	SEP	1972	16	11.10
1970	JUN	23	41.30	SEP	1976	30	11.70
1970	JUL	30	40.80	SEP	1971	12	14.90
1970	AUG	23	17.30	SEP	1970	4	18.00
1970	SEP	4	18.00	SEP	1969	5	18.40

ALPHA= .0063 QO= 29.29

04DB001 ASHEWEIG RIVER AT STRAIGHT LAKE

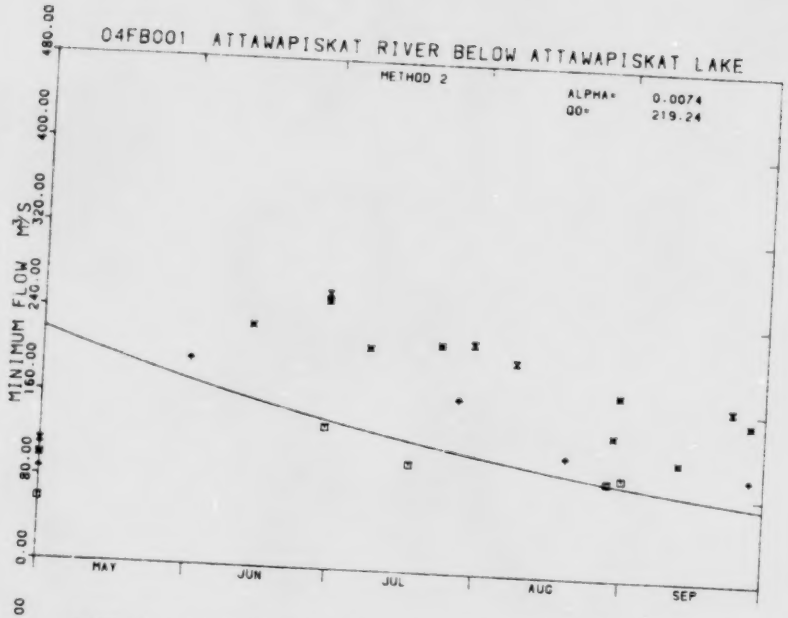
DRAINAGE AREA 7950 SQ KM NATURAL FLOW

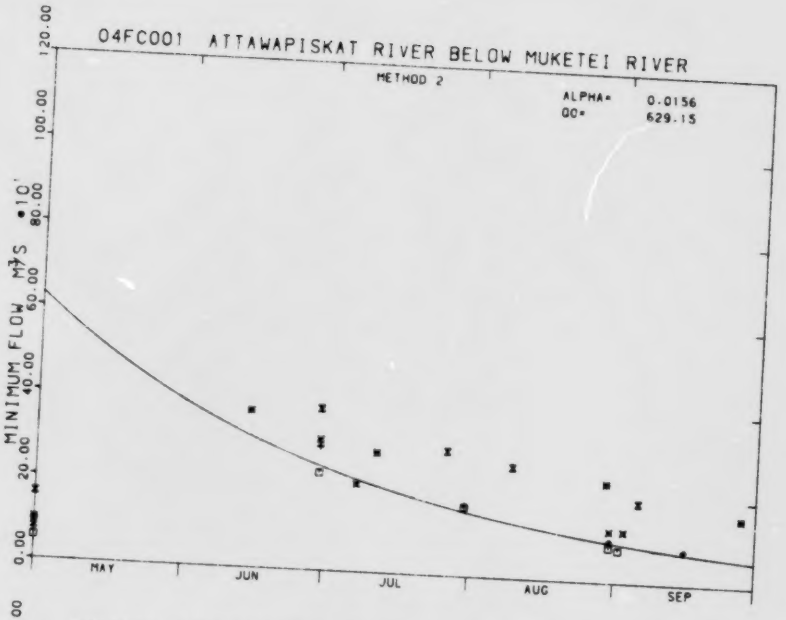
PERIOD OF RECORD 1966-80

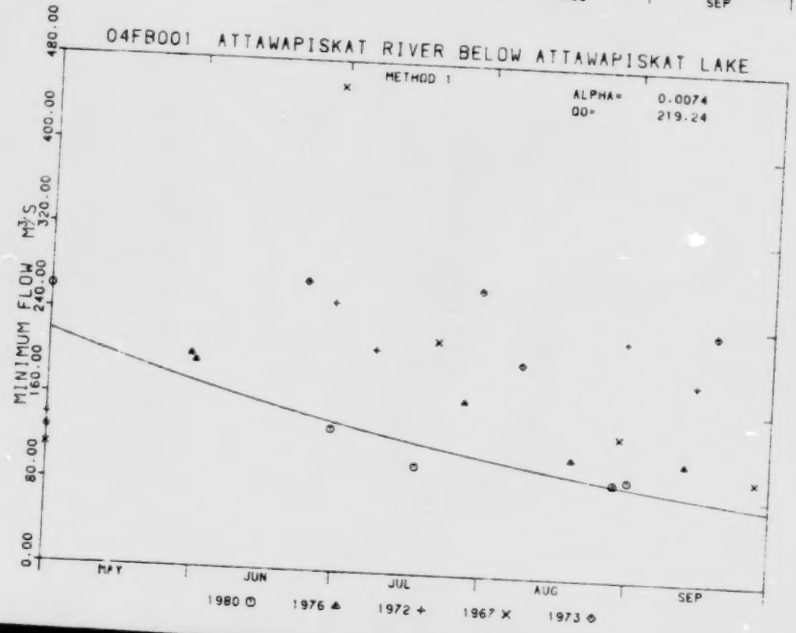
DISCHARGES IN CUBIC METRES PER SECOND

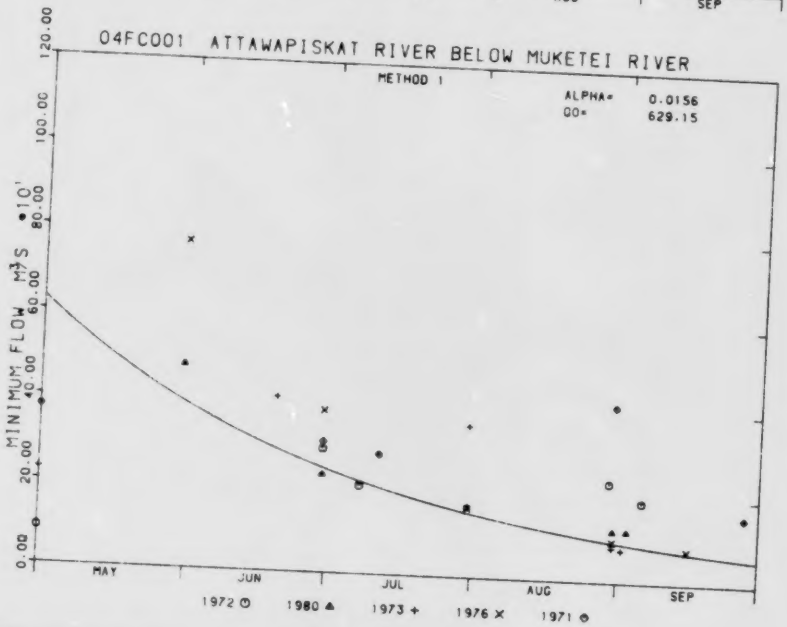
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	1	31.70	MAY	1967	12	12.20
1977	JUN	30	58.30	MAY	1974	4	15.70
1977	JUL	30	26.80	MAY	1973	1	17.00
1977	AUG	9	23.40	MAY	1975	1	17.60
1977	SEP	1	31.10	MAY	1968	1	18.30
1967	MAY	12	12.20	JUN	1977	30	58.30
1967	JUN	1	90.60	JUN	1968	1	62.60
1967	JUL	31	72.50	JUN	1979	30	74.50
1967	AUG	31	42.20	JUN	1974	1	79.30
1967	SEP	30	26.90	JUN	1980	29	80.80
1971	MAY	1	37.10	JUL	1977	30	26.80
1971	JUN	30	87.20	JUL	1979	13	54.10
1971	JUL	12	65.40	JUL	1971	12	65.40
1971	AUG	1	81.60	JUL	1980	18	67.40
1971	SEP	23	70.20	JUL	1968	2	71.60
1974	MAY	4	15.70	AUG	1977	9	23.40
1974	JUN	1	79.30	AUG	1967	31	42.20
1974	JUL	31	104.00	AUG	1980	31	52.30
1974	AUG	21	62.00	AUG	1973	31	58.60
1974	SEP	1	81.60	AUG	1974	21	62.00
1970	MAY	1	21.60	SEP	1967	30	26.90
1970	JUN	30	97.40	SEP	1977	1	31.10
1970	JUL	1	96.00	SEP	1976	29	49.00
1970	AUG	31	69.40	SEP	1980	3	50.50
1970	SEP	6	64.30	SEP	1973	18	54.40

ALPHA= .0084 QO= 80.13


04FB001 ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE
METHOD 2
ALPHA= 0.0074
QO= 219.24
MINIMUM FLOW M³/S
480.00
400.00
320.00
240.00
160.00
80.00
0.00
MAY
JUN
JUL
AUG
SEP


04FC001 ATTAWAPISKAT RIVER BELOW MUKETEI RIVER
METHOD 2
ALPHA= 0.0156
QO= 629.15
MINIMUM FLOW M³/S •10'
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP


04FB001 ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE
METHOD 1
ALPHA= 0.0074
QO= 219.24
MINIMUM FLOW M³/S
480.00
400.00
320.00
240.00
160.00
80.00
0.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1972 + 1967 × 1973 ◇


04FC001 ATTAWAPISKAT RIVER BELOW MUKETEI RIVER
METHOD 1
ALPHA= 0.0156
QO= 629.15
MINIMUM FLOW M³/S •10'
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1980 ▲ 1973 + 1976 × 1971 ◇

04FB001 ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE

DRAINAGE AREA 24200 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	1	261.00	MAY	1974	1	58.30
1980	JUN	30	134.00	MAY	1970	1	86.40
1980	JUL	18	102.00	MAY	1977	1	99.10
1980	AUG	29	91.60	MAY	1966	1	100.00
1980	SEP	1	94.90	MAY	1967	1	112.00
1976	MAY	31	200.00	JUN	1980	30	134.00
1976	JUN	1	194.00	JUN	1976	1	194.00
1976	JUL	28	164.00	JUN	1977	14	228.00
1976	AUG	20	113.00	JUN	1972	30	253.00
1976	SEP	13	112.00	JUN	1971	30	260.00
1972	MAY	1	140.00	JUL	1980	18	102.00
1972	JUN	30	253.00	JUL	1976	28	164.00
1972	JUL	9	210.00	JUL	1972	9	210.00
1972	AUG	31	229.00	JUL	1971	24	215.00
1972	SEP	15	187.00	JUL	1978	31	217.00
1967	MAY	1	112.00	AUG	1980	29	91.60
1967	JUN	30	456.00	AUG	1976	20	113.00
1967	JUL	22	220.00	AUG	1967	30	135.00
1967	AUG	30	135.00	AUG	1966	31	173.00
1967	SEP	28	98.00	AUG	1973	9	201.00
1973	MAY	1	128.00	SEP	1980	1	94.90
1973	JUN	24	272.00	SEP	1967	28	98.00
1973	JUL	31	269.00	SEP	1976	13	112.00
1973	AUG	9	201.00	SEP	1971	28	150.00
1973	SEP	19	234.00	SEP	1966	24	163.00

ALPHA= .0074 QO= 219.24

04FC001 ATTAWAPISKAT RIVER BELOW MUKETEI RIVER

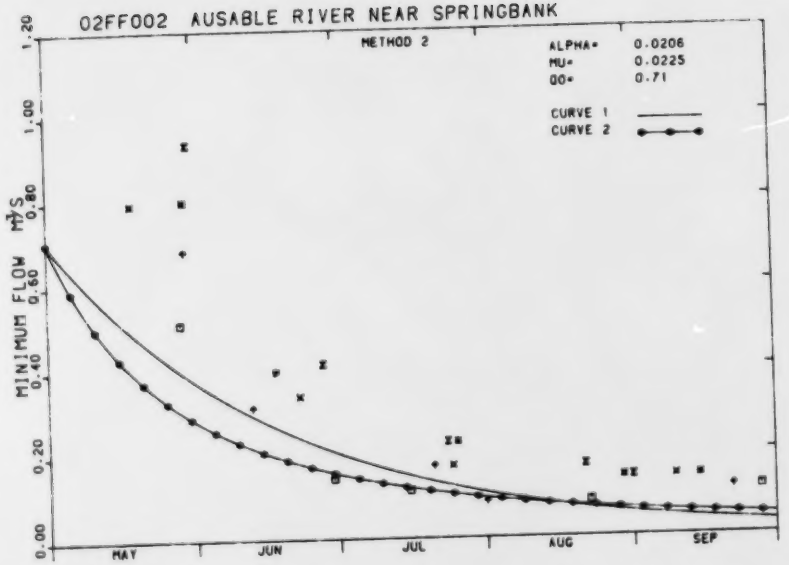
DRAINAGE AREA 36000 SQ KM NATURAL FLOW

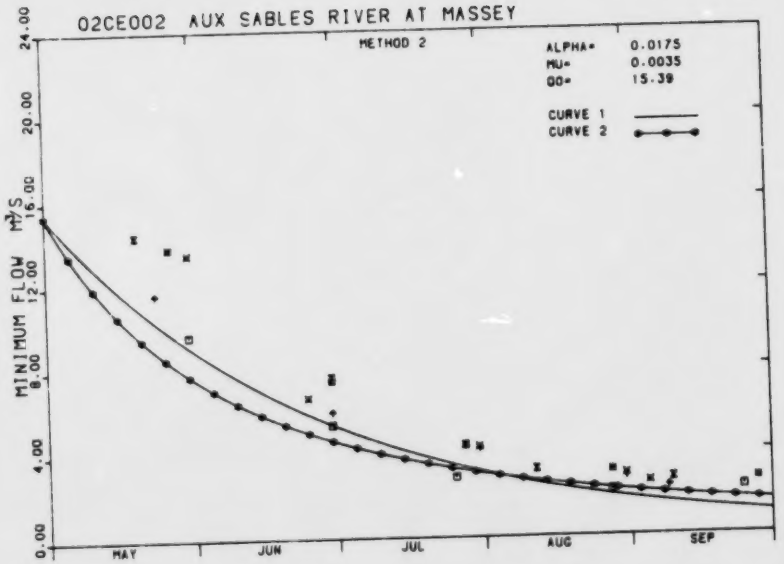
PERIOD OF RECORD 1968-80

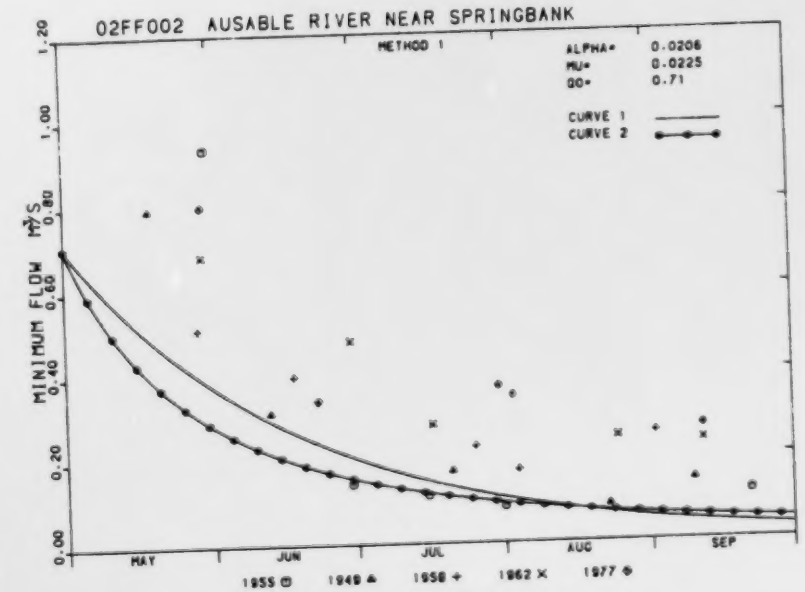
DISCHARGES IN CUBIC METRES PER SECOND

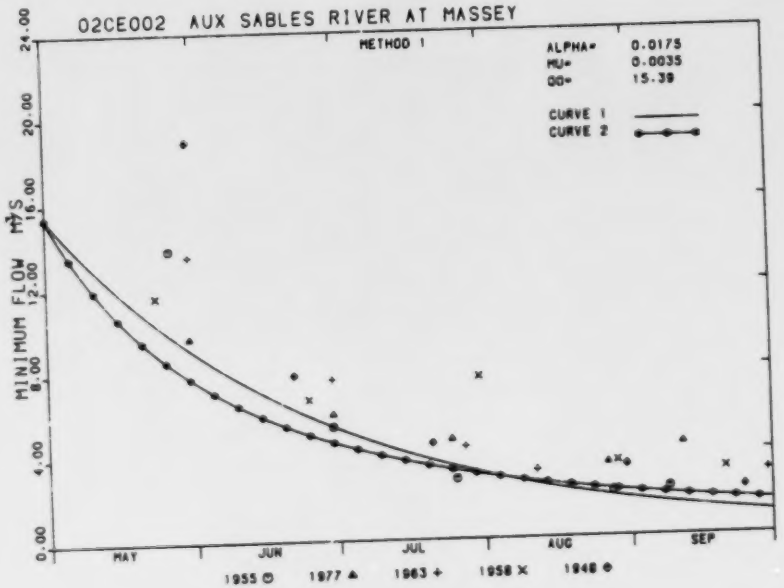
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	1	87.80	MAY	1978	1	96.10
1972	JUN	30	292.00	MAY	1974	1	70.80
1972	JUL	8	208.00	MAY	1972	1	87.80
1972	AUG	30	233.00	MAY	1970	1	97.70
1972	SEP	6	190.00	MAY	1975	1	159.00
1980	MAY	31	479.00	JUN	1980	30	231.00
1980	JUN	30	231.00	JUN	1972	30	292.00
1980	JUL	31	167.00	JUN	1971	30	309.00
1980	AUG	31	121.00	JUN	1977	15	371.00
1980	SEP	3	121.00	JUN	1976	30	382.00
1973	MAY	1	227.00	JUL	1976	31	164.00
1973	JUN	20	411.00	JUL	1980	31	167.00
1973	JUL	31	357.00	JUL	1972	8	208.00
1973	AUG	31	83.00	JUL	1971	12	283.00
1973	SEP	2	77.60	JUL	1974	27	294.00
1976	MAY	31	770.00	AUG	1973	31	83.00
1976	JUN	30	382.00	AUG	1976	31	96.60
1976	JUL	31	164.00	AUG	1980	31	121.00
1976	AUG	31	96.60	AUG	1972	30	233.00
1976	SEP	16	79.30	AUG	1978	10	263.00
1971	MAY	1	374.00	SEP	1973	2	77.60
1971	JUN	30	309.00	SEP	1976	16	79.30
1971	JUL	12	283.00	SEP	1980	3	121.00
1971	AUG	31	413.00	SEP	1971	28	159.00
1971	SEP	28	159.00	SEP	1972	6	190.00

ALPHA= .0156 QO= 629.15


02FF002 AUSABLE RIVER NEAR SPRINGBANK
METHOD 2
ALPHA= 0.0206
MU= 0.0225
QO= 0.71
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02CE002 AUX SABLES RIVER AT MASSEY
METHOD 2
ALPHA= 0.0175
MU= 0.0035
QO= 15.39
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02FF002 AUSABLE RIVER NEAR SPRINGBANK
METHOD 1
ALPHA= 0.0206
MU= 0.0225
QO= 0.71
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1949 ▲ 1958 + 1962 × 1977 ◆


02CE002 AUX SABLES RIVER AT MASSEY
METHOD 1
ALPHA= 0.0175
MU= 0.0035
QO= 15.39
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1977 ▲ 1963 + 1958 × 1948 ◆

02FF002 AUSABLE RIVER NEAR SPRINGBANK

DRAINAGE AREA 865 SQ KM NATURAL FLOW

PERIOD OF RECORD 1945-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	31	.934	MAY	1958	29	.910
1955	JUN	30	.142	MAY	1962	30	.682
1955	JUL	16	.113	MAY	1949	19	.793
1955	AUG	1	.085	MAY	1977	30	.799
1955	SEP	22	.113	MAY	1955	31	.934
1949	MAY	19	.793	JUN	1955	30	.142
1949	JUN	13	.311	JUN	1949	13	.311
1949	JUL	21	.170	JUN	1977	23	.337
1949	AUG	23	.085	JUN	1958	18	.396
1949	SEP	10	.142	JUN	1965	28	.413
1958	MAY	29	.510	JUL	1955	16	.113
1958	JUN	18	.396	JUL	1949	21	.170
1958	JUL	26	.227	JUL	1953	25	.170
1958	AUG	4	.170	JUL	1958	26	.227
1958	SEP	2	.255	JUL	1966	24	.227
1962	MAY	30	.682	AUG	1949	23	.085
1962	JUN	30	.479	AUG	1955	1	.085
1962	JUL	17	.280	AUG	1948	30	.142
1962	AUG	25	.246	AUG	1953	30	.142
1962	SEP	12	.235	AUG	1950	22	.170
1977	MAY	30	.799	SEP	1948	28	.113
1977	JUN	23	.337	SEP	1955	22	.113
1977	JUL	31	.368	SEP	1949	10	.142
1977	AUG	3	.345	SEP	1952	15	.142
1977	SEP	12	.269	SEP	1953	1	.142

ALPHA= .0206 MU= .0225 QO= .71

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1397.3	721.2	398.3	210.5	108.6	2835.8	.33
CURVE 2	1191.6	535.6	320.5	207.5	141.3	2396.5	.28

02CE002 AUX SABLES RIVER AT MASSEY

DRAINAGE AREA 1350 SQ KM REGULATED

PERIOD OF RECORD 1915-80

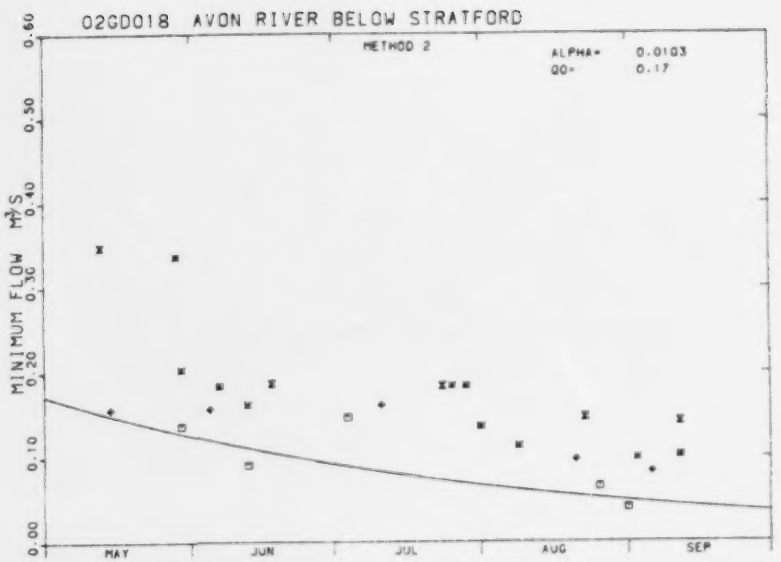
DISCHARGES IN CUBIC METRES PER SECOND

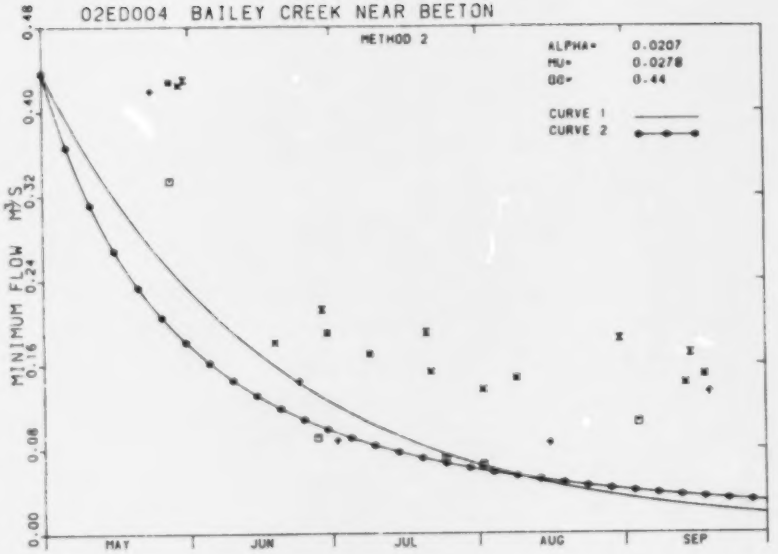
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	27	13.80	MAY	1977	31	9.63
1955	JUN	30	5.38	MAY	1958	24	11.60
1955	JUL	26	2.83	MAY	1963	31	13.90
1955	AUG	28	2.15	MAY	1955	27	13.80
1955	SEP	9	2.27	MAY	1925	20	14.40
1977	MAY	31	9.63	JUN	1955	30	5.38
1977	JUN	30	5.97	JUN	1977	30	5.97
1977	JUL	25	4.70	JUN	1958	25	6.68
1977	AUG	27	3.45	JUN	1937	30	7.45
1977	SEP	12	4.33	JUN	1963	30	7.62
1963	MAY	31	13.50	JUL	1955	26	2.83
1963	JUN	30	7.62	JUL	1936	31	4.19
1963	JUL	28	4.36	JUL	1976	31	4.28
1963	AUG	12	3.17	JUL	1934	28	4.36
1963	SEP	30	3.03	JUL	1963	28	4.36
1958	MAY	24	11.60	AUG	1955	28	2.15
1958	JUN	25	6.68	AUG	1935	31	2.78
1958	JUL	31	7.65	AUG	1975	31	2.92
1958	AUG	29	3.51	AUG	1936	28	3.09
1958	SEP	21	3.14	AUG	1963	12	3.17
1948	MAY	31	18.90	SEP	1948	25	2.24
1948	JUN	22	7.82	SEP	1955	9	2.27
1948	JUL	21	4.53	SEP	1975	5	2.94
1948	AUG	31	3.34	SEP	1935	28	2.63
1948	SEP	25	2.24	SEP	1974	10	2.67

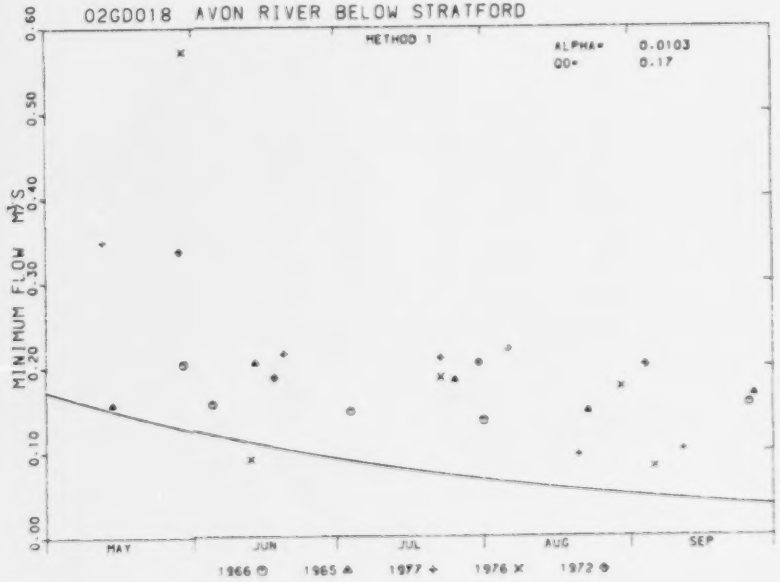
ALPHA= .0175 MU= .0035 QO= 19.39

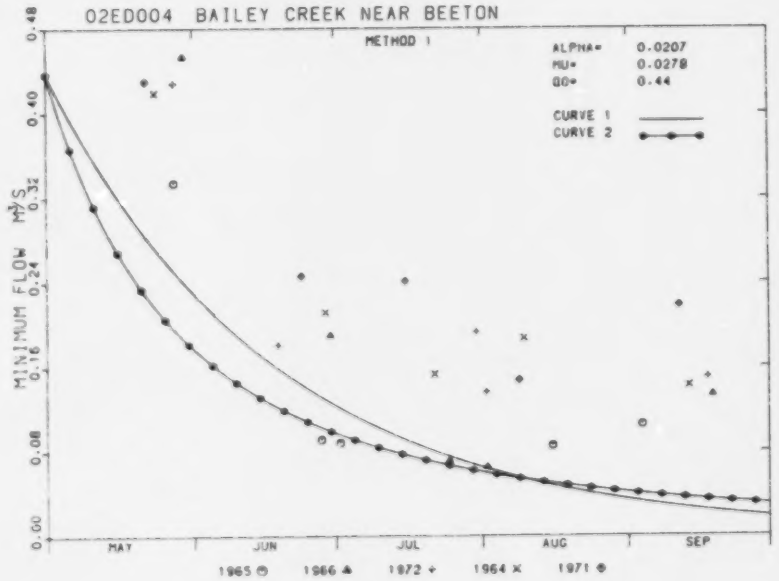
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	31625.6	18057.2	10956.7	6372.8	3615.8	70828.2	5.25
CURVE 2	28936.6	15255.9	9936.6	6793.4	4799.9	65722.4	4.87


02GD018 AVON RIVER BELOW STRATFORD
METHOD 2
ALPHA= 0.0103
QO= 0.17
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02ED004 BAILEY CREEK NEAR BEETON
METHOD 2
ALPHA= 0.0207
MU= 0.0278
QO= 0.44
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02GD018 AVON RIVER BELOW STRATFORD
METHOD 1
ALPHA= 0.0103
QO= 0.17
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1966
1965
1977
1976
1972


02ED004 BAILEY CREEK NEAR BEETON
METHOD 1
ALPHA= 0.0207
MU= 0.0278
QO= 0.44
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1965
1966
1972
1964
1971

02GD018 AVON RIVER BELOW STRATFORD

DRAINAGE AREA 144 SQ KM REGULATED

PERIOD OF RECORD 1964-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	30	.204	MAY	1980	30	.137
1966	JUN	5	.156	MAY	1965	15	.156
1966	JUL	4	.147	MAY	1966	30	.204
1966	AUG	1	.136	MAY	1972	29	.337
1966	SEP	26	.156	MAY	1977	13	.348
1965	MAY	15	.156	JUN	1976	13	.091
1965	JUN	14	.204	JUN	1966	5	.156
1965	JUL	26	.184	JUN	1980	13	.162
1965	AUG	23	.147	JUN	1968	7	.184
1965	SEP	27	.167	JUN	1972	18	.187
1977	MAY	13	.348	JUL	1966	4	.147
1977	JUN	20	.215	JUL	1971	11	.161
1977	JUL	23	.210	JUL	1965	26	.184
1977	AUG	21	.096	JUL	1968	29	.184
1977	SEP	12	.102	JUL	1978	24	.184
1976	MAY	30	.572	AUG	1969	26	.065
1976	JUN	13	.091	AUG	1977	21	.096
1976	JUL	23	.187	AUG	1971	9	.113
1976	AUG	30	.176	AUG	1966	1	.136
1976	SEP	6	.082	AUG	1965	23	.147
1972	MAY	29	.337	SEP	1969	1	.040
1972	JUN	18	.187	SEP	1976	6	.082
1972	JUL	31	.204	SEP	1973	3	.099
1972	AUG	6	.221	SEP	1977	12	.102
1972	SEP	4	.201	SEP	1971	12	.142

ALPHA= .0103 QO= .17

02ED004 BAILEY CREEK NEAR BEETON

DRAINAGE AREA 207 SQ KM REGULATED

PERIOD OF RECORD 1963-78

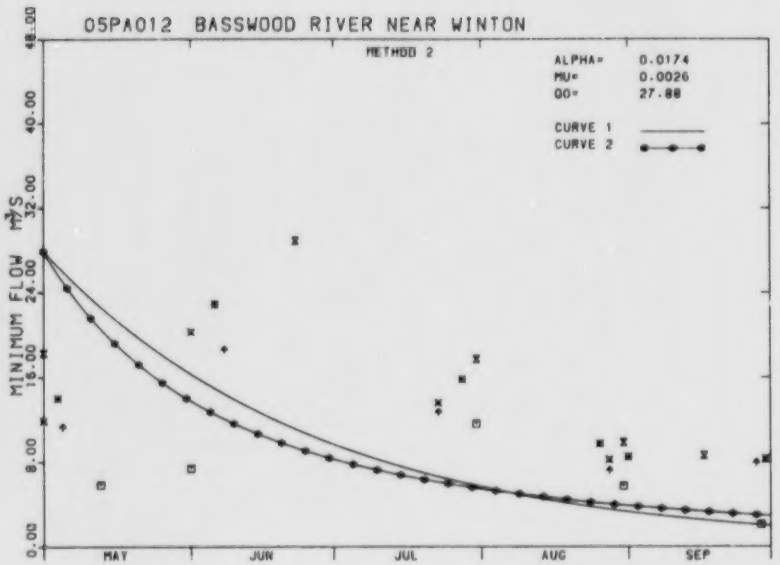
DISCHARGES IN CUBIC METRES PER SECOND

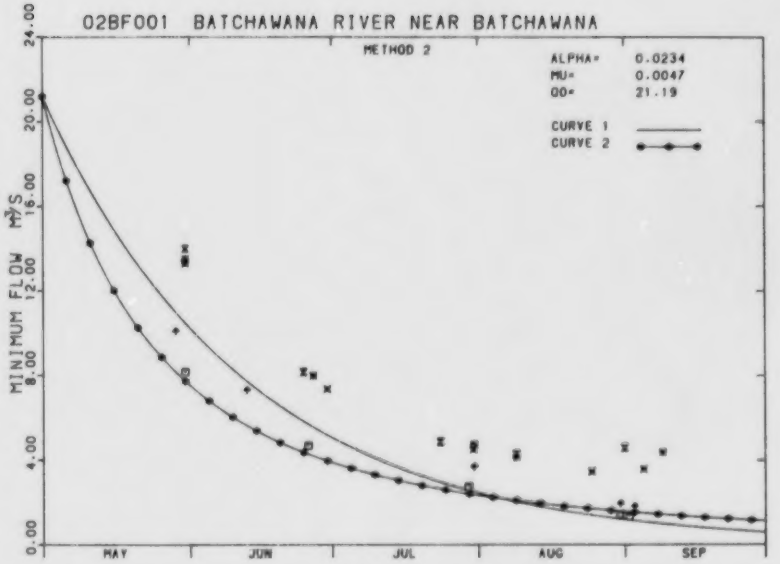
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	28	.334	MAY	1965	28	.334
1965	JUN	28	.091	MAY	1964	24	.419
1965	JUL	2	.088	MAY	1975	30	.425
1965	AUG	16	.085	MAY	1972	28	.428
1965	SEP	4	.105	MAY	1967	31	.430
1966	MAY	30	.453	JUN	1965	28	.091
1966	JUN	30	.190	JUN	1970	24	.144
1966	JUL	25	.071	JUN	1972	19	.181
1966	AUG	2	.065	JUN	1966	30	.190
1966	SEP	19	.133	JUN	1964	29	.212
1972	MAY	28	.428	JUL	1966	25	.071
1972	JUN	19	.181	JUL	1965	2	.088
1972	JUL	31	.193	JUL	1964	22	.153
1972	AUG	2	.136	JUL	1970	9	.170
1972	SEP	18	.150	JUL	1969	21	.190
1964	MAY	24	.419	AUG	1966	2	.065
1964	JUN	29	.212	AUG	1965	16	.085
1964	JUL	22	.153	AUG	1972	2	.136
1964	AUG	10	.187	AUG	1971	9	.147
1964	SEP	14	.142	AUG	1969	31	.184
1971	MAY	22	.430	SEP	1965	4	.105
1971	JUN	24	.246	SEP	1966	19	.133
1971	JUL	16	.241	SEP	1964	14	.142
1971	AUG	9	.147	SEP	1972	18	.150
1971	SEP	12	.218	SEP	1969	15	.170

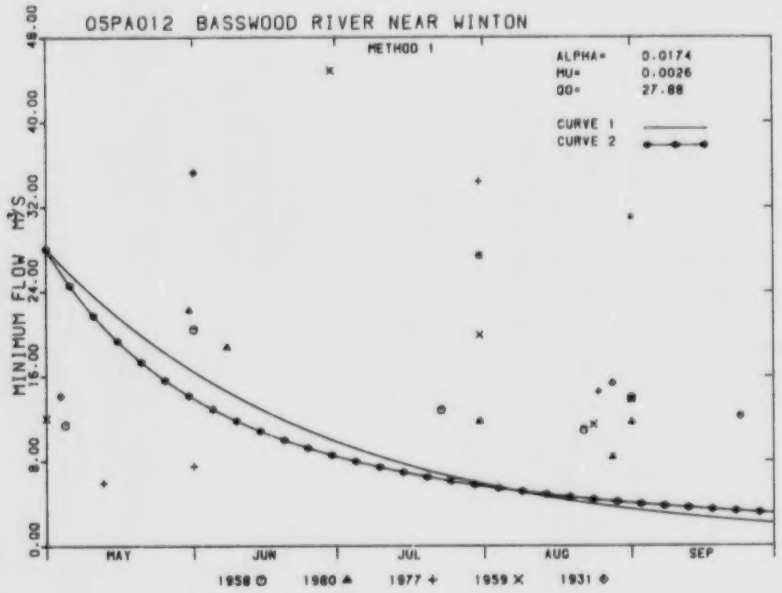
ALPHA= .0207 MU= .0278 QO= .44

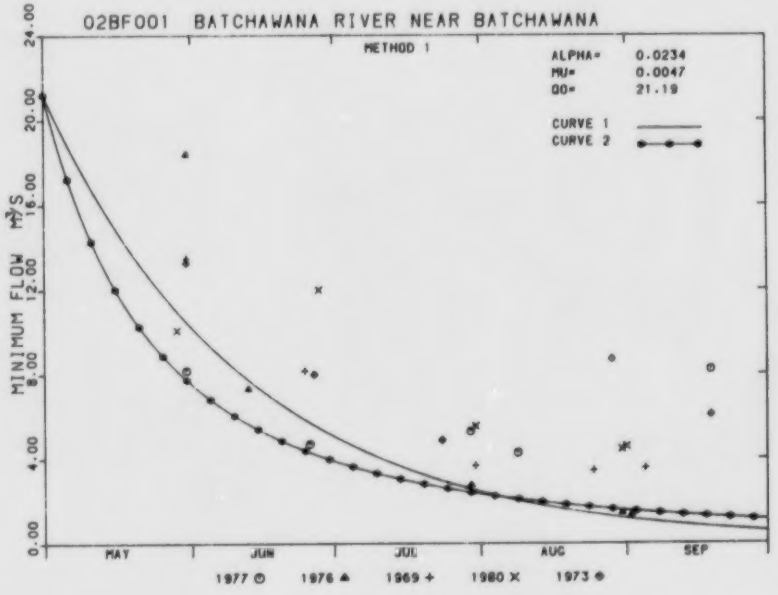
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	863.2	443.5	243.8	128.2	65.9	1744.6	.84
CURVE 2	745.6	340.4	205.3	133.6	91.2	1516.1	.73


05PA012 BASSWOOD RIVER NEAR WINTON
METHOD 2
ALPHA= 0.0174
MU= 0.0026
QO= 27.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02BF001 BATCHAWANA RIVER NEAR BATCHAWANA
METHOD 2
ALPHA= 0.0234
MU= 0.0047
QO= 21.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


05PA012 BASSWOOD RIVER NEAR WINTON
METHOD 1
ALPHA= 0.0174
MU= 0.0026
QO= 27.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1958 ⊙ 1980 ▲ 1977 + 1959 × 1931 ◆


02BF001 BATCHAWANA RIVER NEAR BATCHAWANA
METHOD 1
ALPHA= 0.0234
MU= 0.0047
QO= 21.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1976 ▲ 1969 + 1980 × 1973 ◆

05PA012 BASSWOOD RIVER NEAR WINTON

DRAINAGE AREA 4910 SQ KM REGULATED

PERIOD OF RECORD 1924-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	5	11.30	MAY	1977	13	5.83
1958	JUN	1	20.30	MAY	1958	5	11.30
1958	JUL	23	12.70	MAY	1959	1	11.90
1958	AUG	22	10.80	MAY	1931	4	14.00
1958	SEP	1	13.80	MAY	1926	1	18.30
1980	MAY	31	22.10	JUN	1977	1	7.39
1980	JUN	8	18.60	JUN	1980	8	18.60
1980	JUL	31	11.60	JUN	1958	1	20.30
1980	AUG	28	8.21	JUN	1926	6	22.90
1980	SEP	1	11.50	JUN	1952	23	28.90
1977	MAY	13	5.83	JUL	1980	31	11.60
1977	JUN	1	7.39	JUL	1958	23	12.70
1977	JUL	31	34.30	JUL	1961	23	13.60
1977	AUG	25	14.40	JUL	1960	28	15.80
1977	SEP	1	30.90	JUL	1933	31	17.70
1959	MAY	1	11.90	AUG	1976	31	5.72
1959	JUN	30	44.70	AUG	1961	28	7.19
1959	JUL	31	19.80	AUG	1980	28	8.21
1959	AUG	24	11.30	AUG	1936	26	9.71
1959	SEP	1	13.70	AUG	1970	31	9.85
1931	MAY	4	14.00	SEP	1976	29	2.10
1931	JUN	1	35.10	SEP	1936	28	7.93
1931	JUL	31	27.30	SEP	1960	30	8.35
1931	AUG	28	15.20	SEP	1961	1	8.47
1931	SEP	24	12.10	SEP	1934	17	8.61

ALPHA= .0174 MU= .0026 QO= 27.88

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	57752.6	32885.9	20025.9	11690.5	6656.9	129011.7	2.86
CURVE 2	52414.6	27627.4	17991.9	12299.7	8689.7	119023.2	2.64

02BF001 BATCHAWANA RIVER NEAR BATCHAWANA

DRAINAGE AREA 1190 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

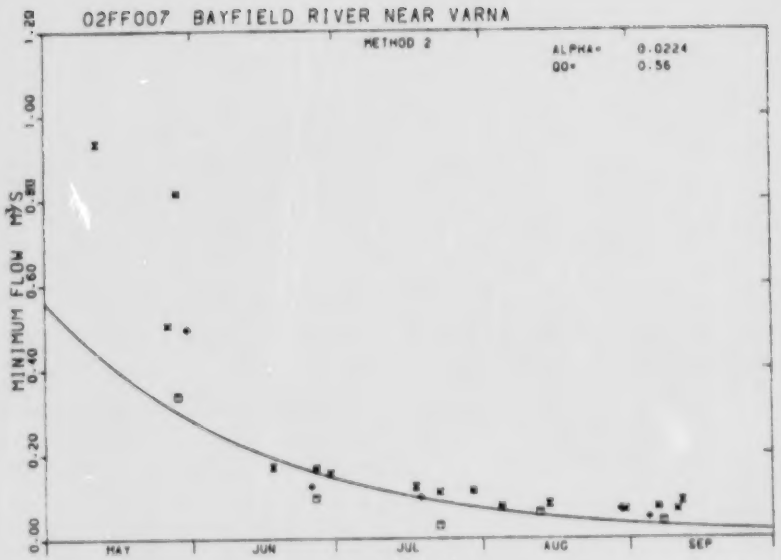
DISCHARGES IN CUBIC METRES PER SECOND

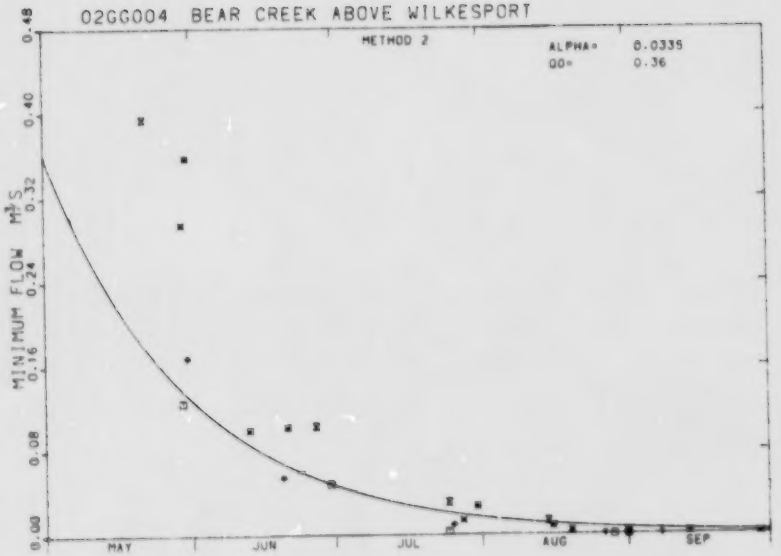
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	8.18	MAY	1977	31	8.18
1977	JUN	26	4.70	MAY	1980	29	10.10
1977	JUL	30	5.30	MAY	1973	31	13.30
1977	AUG	9	4.28	MAY	1969	31	13.50
1977	SEP	19	8.21	MAY	1968	31	14.00
1976	MAY	31	18.40	JUN	1977	26	4.70
1976	JUN	13	7.31	JUN	1976	13	7.31
1976	JUL	30	2.75	JUN	1970	30	7.36
1976	AUG	31	1.43	JUN	1973	27	7.99
1976	SEP	2	1.33	JUN	1969	25	8.16
1969	MAY	31	13.50	JUL	1976	30	2.75
1969	JUN	25	8.16	JUL	1969	31	3.68
1969	JUL	31	3.68	JUL	1975	31	4.50
1969	AUG	25	3.45	JUL	1974	31	4.73
1969	SEP	5	3.57	JUL	1973	24	4.87
1980	MAY	29	10.10	AUG	1976	31	1.43
1980	JUN	28	12.00	AUG	1975	31	1.93
1980	JUL	31	5.55	AUG	1969	25	3.45
1980	AUG	31	4.45	AUG	1971	9	4.13
1980	SEP	1	4.58	AUG	1977	9	4.28
1973	MAY	31	13.30	SEP	1976	2	1.33
1973	JUN	27	7.99	SEP	1975	3	1.80
1973	JUL	24	4.87	SEP	1969	5	3.57
1973	AUG	29	8.69	SEP	1971	9	4.36
1973	SEP	19	6.06	SEP	1980	1	4.58

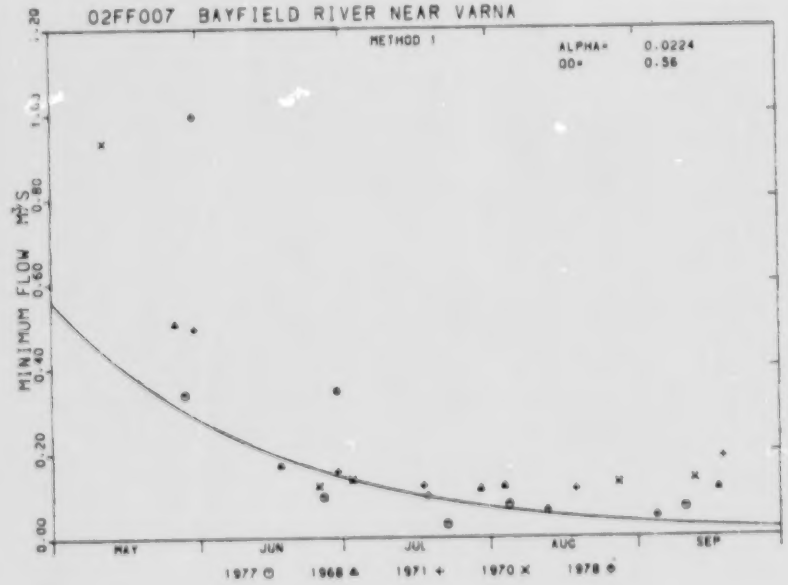
ALPHA= .0234 MU= .0047 QO= 21.19

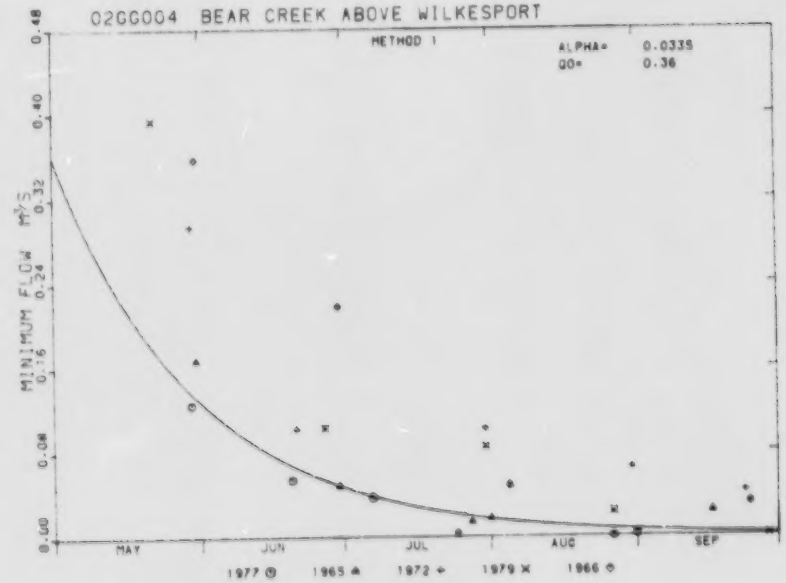
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	40341.5	19073.4	9655.7	4668.9	2207.4	75946.9	6.38
CURVE 2	33857.3	14056.5	8096.7	5123.4	3437.0	64570.9	5.43


02FF007 BAYFIELD RIVER NEAR VARNA
METHOD 2
ALPHA= 0.0224
QO= 0.56
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


02GG004 BEAR CREEK ABOVE WILKESPORT
METHOD 2
ALPHA= 0.0335
QO= 0.36
MINIMUM FLOW M³/S
0.48
0.40
0.32
0.24
0.16
0.08
0.00
MAY
JUN
JUL
AUG
SEP


02FF007 BAYFIELD RIVER NEAR VARNA
METHOD 1
ALPHA= 0.0224
QO= 0.56
MINIMUM FLOW M³/S
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1968 ▲ 1971 + 1970 × 1978 ◆


02GG004 BEAR CREEK ABOVE WILKESPORT
METHOD 1
ALPHA= 0.0335
QO= 0.36
MINIMUM FLOW M³/S
0.48
0.40
0.32
0.24
0.16
0.08
0.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1965 ▲ 1972 + 1979 × 1966 ◆

02FF007 BAYFIELD RIVER NEAR VARNA

DRAINAGE AREA 466 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	29	.337	MAY	1977	29	.337
1977	JUN	27	.096	MAY	1971	31	.493
1977	JUL	23	.031	MAY	1968	27	.504
1977	AUG	5	.076	MAY	1972	29	.616
1977	SEP	11	.068	MAY	1970	12	.934
1968	MAY	27	.504	JUL	1977	27	.096
1968	JUN	18	.170	JUN	1970	26	.122
1968	JUL	30	.113	JUN	1971	30	.156
1968	AUG	4	.119	JUN	1979	27	.167
1968	SEP	18	.113	JUN	1968	18	.170
1971	MAY	31	.493	JUL	1977	23	.031
1971	JUN	30	.156	JUL	1978	19	.096
1971	JUL	18	.122	JUL	1973	23	.110
1971	AUG	19	.113	JUL	1968	30	.113
1971	SEP	19	.167	JUL	1971	18	.122
1970	MAY	12	.934	AUG	1978	13	.062
1970	JUN	26	.122	AUG	1976	30	.068
1970	JUL	3	.136	AUG	1979	31	.068
1970	AUG	28	.127	AUG	1977	5	.076
1970	SEP	13	.136	AUG	1973	15	.082
1978	MAY	31	.994	SEP	1979	8	.041
1978	JUN	30	.345	SEP	1978	5	.048
1978	JUL	19	.096	SEP	1977	11	.068
1978	AUG	13	.062	SEP	1976	7	.074
1978	SEP	5	.048	SEP	1973	12	.088

ALPHA= .0224 BB= .56

02GG004 BEAR CREEK ABOVE WILKESPORT

DRAINAGE AREA 609 SQ KM NATURAL FLOW

PERIOD OF RECORD 1964-80

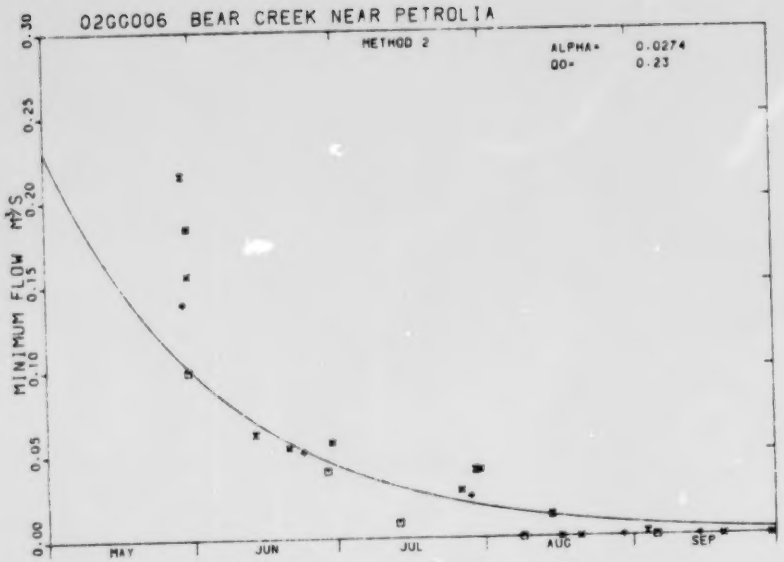
DISCHARGES IN CUBIC METRES PER SECOND

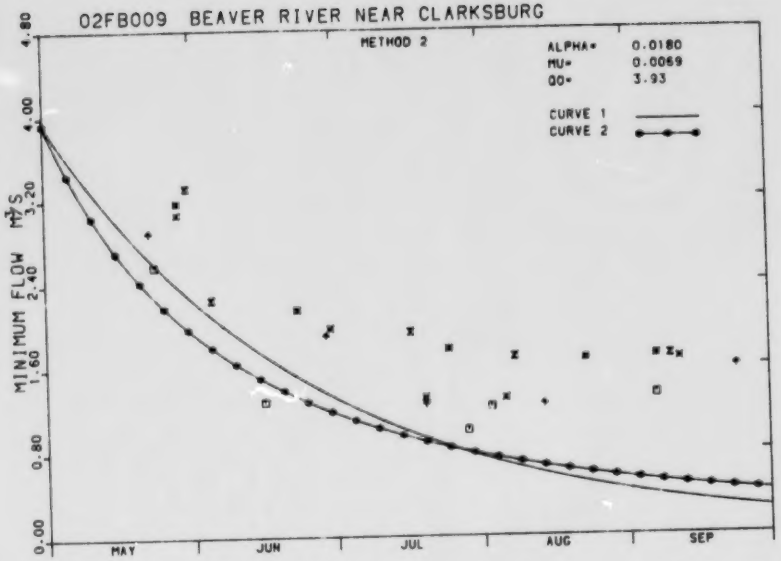
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	30	.125	MAY	1977	30	.125
1977	JUN	20	.054	MAY	1965	31	.167
1977	JUL	7	.037	MAY	1972	30	.294
1977	AUG	27	0.000	MAY	1966	31	.357
1977	SEP	1	.002	MAY	1979	22	.394
1965	MAY	31	.167	JUN	1965	30	.048
1965	JUN	30	.048	JUN	1977	20	.054
1965	JUL	28	.014	JUN	1970	13	.099
1965	AUG	1	.017	JUN	1972	21	.102
1965	SEP	17	.023	JUN	1979	27	.103
1972	MAY	30	.294	JUL	1966	25	.003
1972	JUN	21	.102	JUL	1978	26	.009
1972	JUL	31	.102	JUL	1965	28	.014
1972	AUG	31	.065	JUL	1974	31	.027
1972	SEP	24	.042	JUL	1971	25	.031
1979	MAY	22	.394	AUG	1969	29	0.000
1979	JUN	27	.103	AUG	1977	27	0.000
1979	JUL	31	.085	AUG	1978	20	.004
1979	AUG	27	.023	AUG	1971	16	.008
1979	SEP	29	.001	AUG	1974	15	.013
1966	MAY	31	.357	SEP	1969	1	0.000
1966	JUN	30	.218	SEP	1978	8	0.000
1966	JUL	25	.003	SEP	1979	29	.001
1966	AUG	5	.048	SEP	1970	14	.002
1966	SEP	29	.031	SEP	1977	1	.002

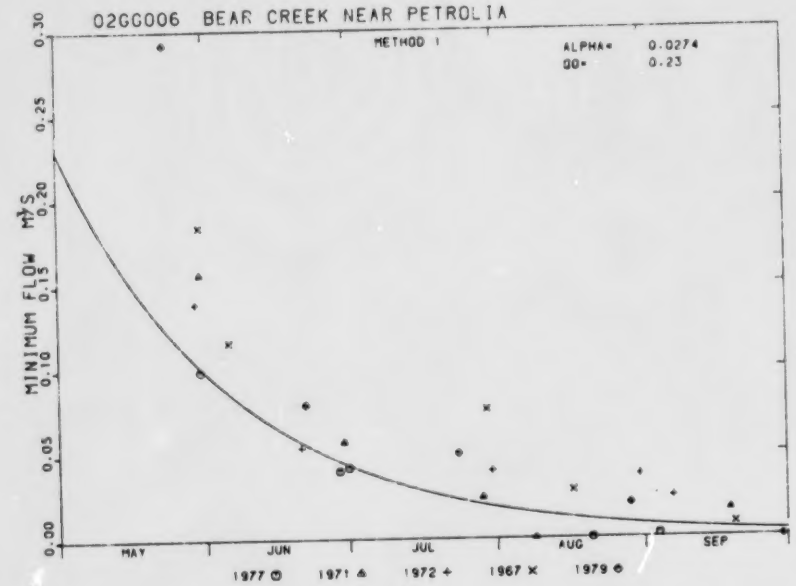
ALPHA= .0335 BB= .36

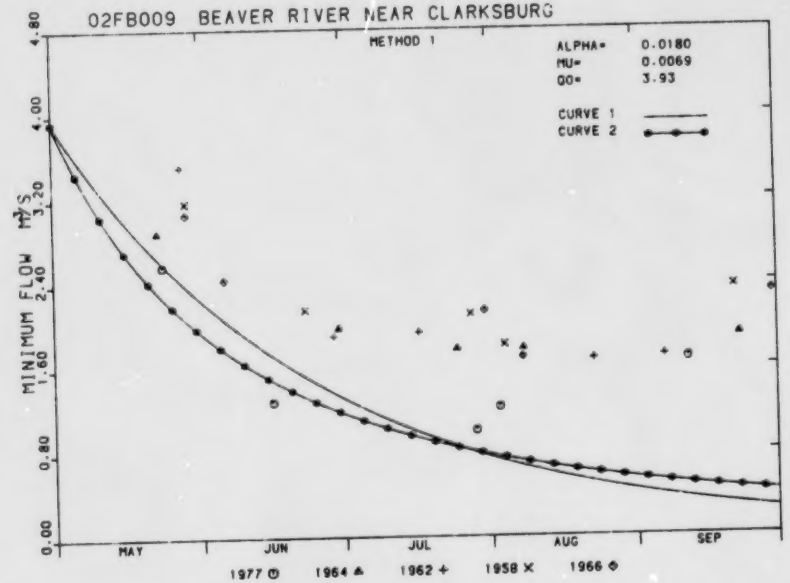
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.489	.097	.040	.011	.022


02GG006 BEAR CREEK NEAR PETROLIA
METHOD 2
ALPHA= 0.0274
QO= 0.23
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02FB009 BEAVER RIVER NEAR CLARKSBURG
METHOD 2
ALPHA= 0.0180
MU= 0.0069
QO= 3.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02GG006 BEAR CREEK NEAR PETROLIA
METHOD 1
ALPHA= 0.0274
QO= 0.23
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1977
1971
1972
1967
1979


02FB009 BEAVER RIVER NEAR CLARKSBURG
METHOD 1
ALPHA= 0.0180
MU= 0.0069
QO= 3.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1977
1964
1962
1958
1966

02GG006 BEAR CREEK NEAR PETROLIA

DRAINAGE AREA 267 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.099	MAY	1977	31	.099
1977	JUN	29	.040	MAY	1972	30	.139
1977	JUL	1	.042	MAY	1971	31	.156
1977	AUG	21	0.000	MAY	1967	31	.184
1977	SEP	4	.002	MAY	1975	30	.215
1971	MAY	31	.156	J N	1977	29	.040
1971	JUN	30	.057	JUN	1968	24	.051
1971	JUL	29	.024	JUN	1972	21	.054
1971	AUG	9	0.000	JUN	1971	30	.057
1971	SEP	19	.016	JUN	1970	14	.062
1972	MAY	30	.139	JUL	1978	14	.009
1972	JUN	21	.054	JUL	1971	29	.024
1972	JUL	31	.040	JUL	1974	27	.028
1972	AUG	31	.037	JUL	1972	31	.040
1972	SEP	7	.024	JUL	1975	30	.040
1967	MAY	31	.184	AUG	1971	9	0.000
1967	JUN	5	.116	AUG	1976	30	0.000
1967	JUL	30	.076	AUG	1977	21	0.000
1967	AUG	17	.028	AUG	1978	17	0.000
1967	SEP	20	.008	AUG	1974	15	.013
1979	MAY	24	.292	SEP	1969	6	0.000
1979	JUN	22	.079	SEP	1973	15	0.000
1979	JUL	24	.050	SEP	1974	20	0.000
1979	AUG	29	.020	SEP	1979	30	0.000
1979	SEP	30	0.000	SEP	1977	4	.002

ALPHA= .0274 QO= .23

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.375	.077	.034	.020	.001

02FB009 BEAVER RIVER NEAR CLARKSBURG

DRAINAGE AREA 572 SQ KM REGULATED

PERIOD OF RECORD 1957-80

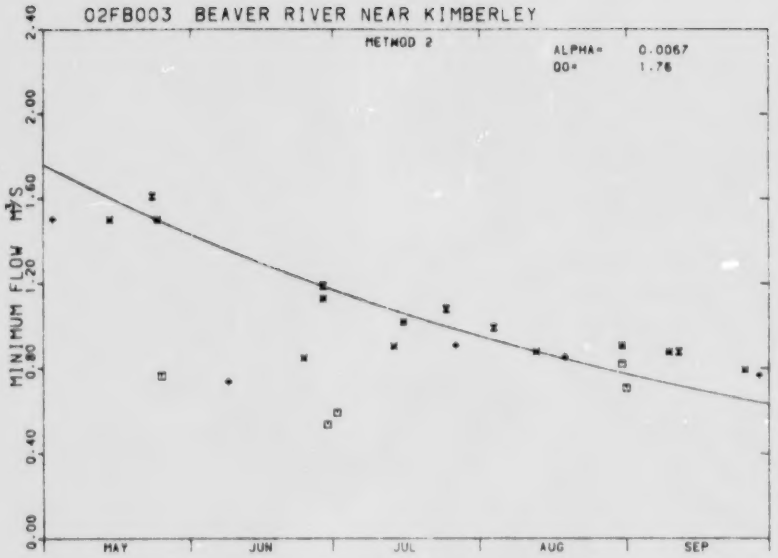
DISCHARGES IN CUBIC METRES PER SECOND

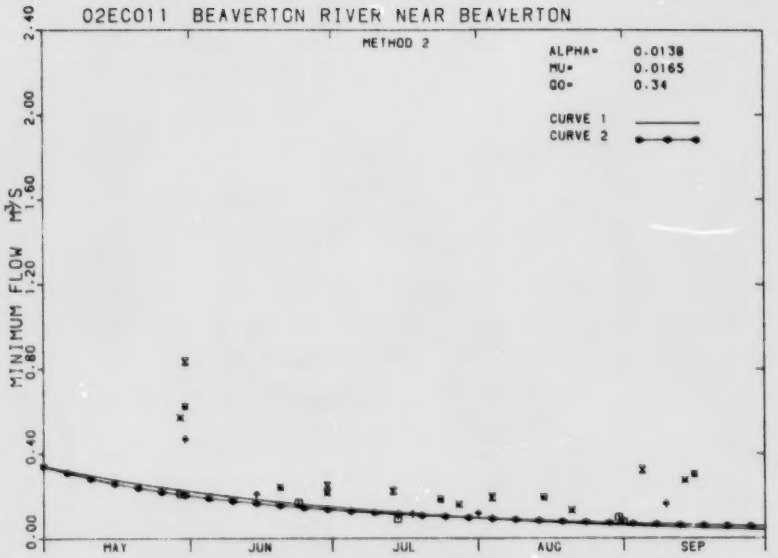
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	24	2.57	MAY	1977	24	2.57
1977	JUN	16	1.28	MAY	1964	23	2.89
1977	JUL	29	1.00	MAY	1966	29	3.06
1977	AUG	3	1.22	MAY	1958	29	3.17
1977	SEP	12	1.67	MAY	1967	31	3.31
1964	MAY	23	2.89	JUN	1977	16	1.28
1964	JUN	30	1.97	JUN	1962	29	1.90
1964	JUL	25	1.77	JUN	1964	30	1.97
1964	AUG	8	1.77	JUN	1958	23	2.15
1964	SEP	23	1.89	JUN	1967	5	2.25
1962	MAY	28	3.51	JUL	1977	29	1.00
1962	JUN	29	1.90	JUL	1979	20	1.25
1962	JUL	17	1.93	JUL	1978	20	1.31
1962	AUG	23	1.67	JUL	1964	25	1.77
1962	SEP	7	1.70	JUL	1962	17	1.93
1958	MAY	29	3.17	AUG	1977	3	1.22
1958	JUN	23	2.15	AUG	1978	14	1.24
1958	JUL	28	2.10	AUG	1979	6	1.30
1958	AUG	4	1.81	AUG	1962	23	1.67
1958	SEP	22	2.35	AUG	1966	8	1.69
1966	MAY	29	3.06	SEP	1976	7	1.33
1966	JUN	6	2.44	SEP	1974	24	1.59
1966	JUL	31	2.13	SEP	1977	12	1.67
1966	AUG	8	1.69	SEP	1962	7	1.70
1966	SEP	30	2.30	SEP	1978	10	1.70

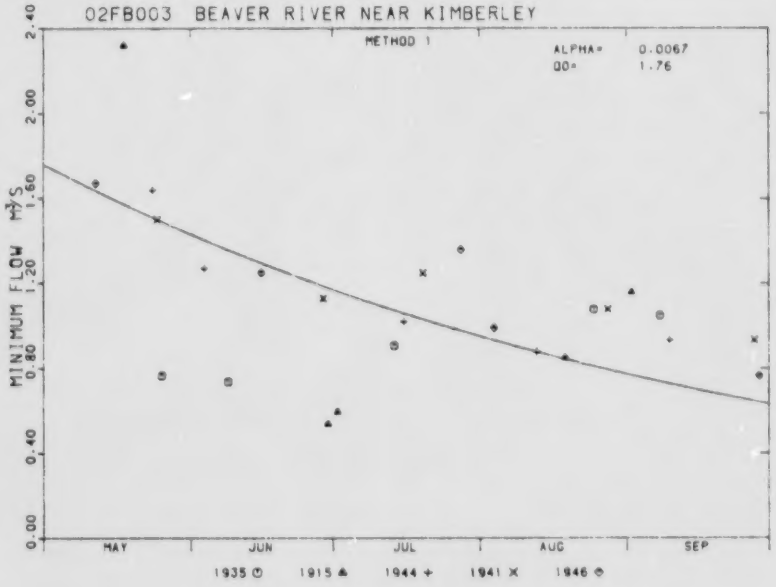
ALPHA= .0180 MU= .0069 QO= 3.93

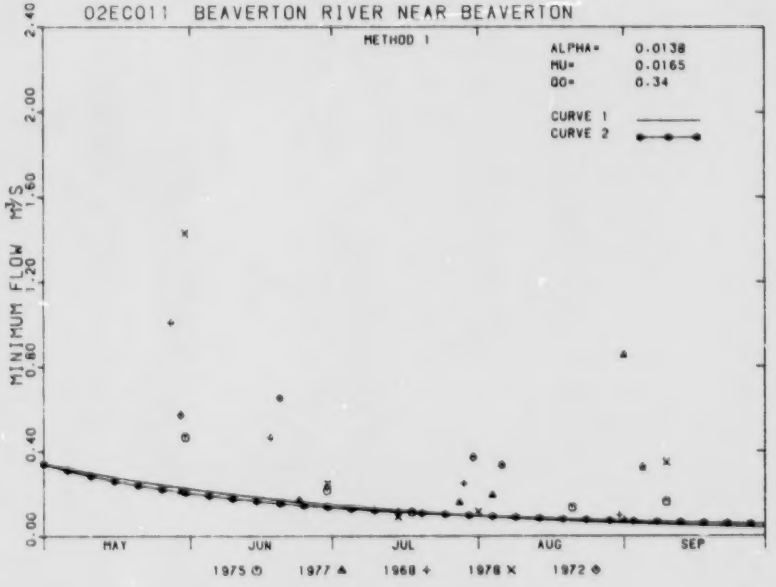
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	8068.8	4502.7	2687.4	1537.0	857.7	17653.5	3.09
CURVE 2	7391.7	3896.2	2537.4	1734.7	1225.5	16785.5	2.93


02FB003 BEAVER RIVER NEAR KIMBERLEY
METHOD 2
ALPHA= 0.0067
QO= 1.76
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02EC011 BEAVERTON RIVER NEAR BEAVERTON
METHOD 2
ALPHA= 0.0138
MU= 0.0165
QO= 0.34
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02FB003 BEAVER RIVER NEAR KIMBERLEY
METHOD 1
ALPHA= 0.0067
QO= 1.76
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1935 ○ 1915 △ 1944 + 1941 × 1946 ◇


02EC011 BEAVERTON RIVER NEAR BEAVERTON
METHOD 1
ALPHA= 0.0138
MU= 0.0165
QO= 0.34
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1975 ○ 1977 △ 1968 + 1978 × 1972 ◇

02FB003 BEAVER RIVER NEAR KIMBERLEY

DRAINAGE AREA 262 SQ KM REGULATED

PERIOD OF RECORD 1914-91

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1935	MAY	26	.77	MAY	1935	26	.77
1935	JUN	9	.74	MAY	1937	3	1.50
1935	JUL	14	.91	MAY	1938	15	1.50
1935	AUG	25	1.08	MAY	1941	25	1.50
1935	SEP	8	1.05	MAY	1931	24	1.61
1915	MAY	18	2.32	JUN	1915	30	.54
1915	JUN	30	.54	JUN	1935	9	.74
1915	JUL	2	.60	JUN	1939	25	.85
1915	AUG	19	.85	JUN	1941	29	1.13
1915	SEP	2	1.16	JUN	1947	29	1.19
1944	MAY	24	1.04	JUL	1915	2	.60
1944	JUN	4	1.27	JUL	1919	27	.91
1944	JUL	16	1.02	JUL	1935	14	.91
1944	AUG	13	.88	JUL	1944	16	1.02
1944	SEP	10	.93	JUL	1937	25	1.08
1941	MAY	25	1.50	AUG	1947	31	.82
1941	JUN	29	1.13	AUG	1915	19	.85
1941	JUL	20	1.25	AUG	1944	13	.88
1941	AUG	28	1.08	AUG	1934	31	.91
1941	SEP	28	.93	AUG	1946	4	.99
1946	MAY	12	1.67	SEP	1947	1	.71
1946	JUN	16	1.25	SEP	1946	29	.77
1946	JUL	28	1.36	SEP	1920	26	.79
1946	AUG	4	.99	SEP	1916	10	.88
1946	SEP	29	.77	SEP	1937	12	.88

ALPHA= .0067 QO= 1.76

02EC011 BEAVERTON RIVER NEAR BEAVERTON

DRAINAGE AREA 282 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

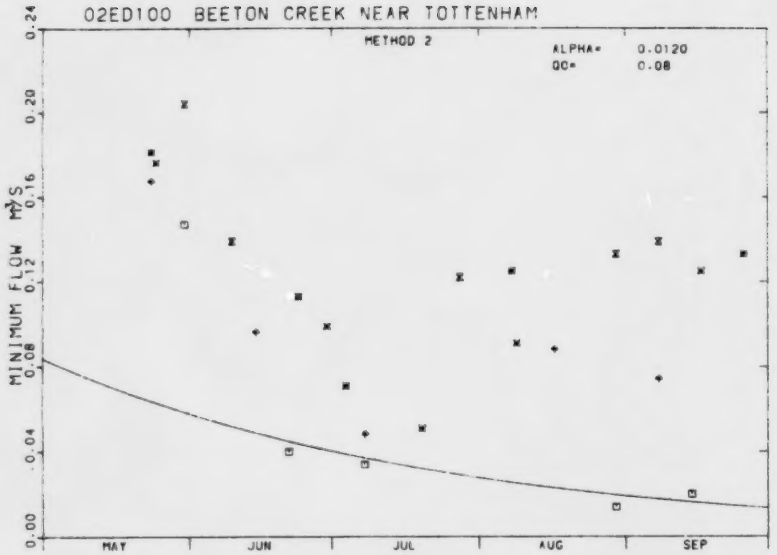
DISCHARGES IN CUBIC METRES PER SECOND

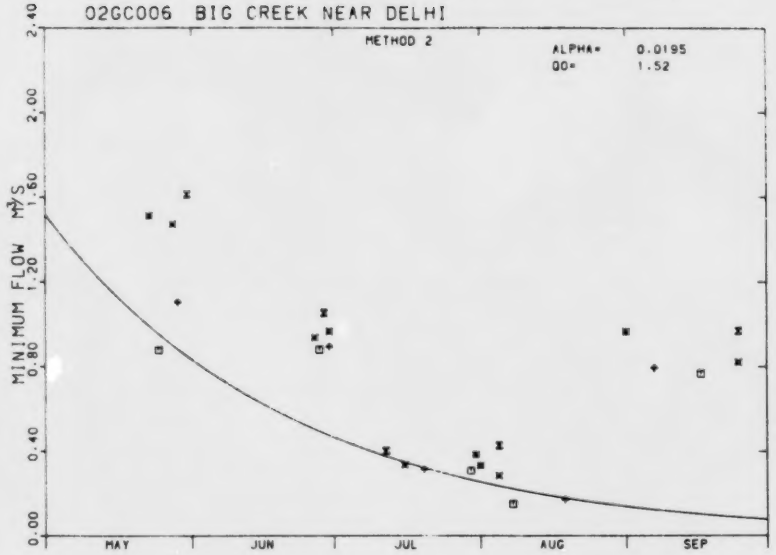
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	31	.467	MAY	1977	30	.212
1975	JUN	30	.215	MAY	1975	31	.467
1975	JUL	18	.113	MAY	1972	30	.572
1975	AUG	21	.133	MAY	1980	31	.624
1975	SEP	10	.161	MAY	1967	31	.835
1977	MAY	30	.212	JUN	1977	24	.170
1977	JUN	24	.170	JUN	1970	15	.207
1977	JUL	28	.159	JUN	1975	30	.215
1977	AUG	4	.193	JUN	1971	20	.241
1977	SEP	1	.852	JUN	1978	30	.249
1968	MAY	28	1.010	JUL	1978	15	.091
1968	JUN	18	.464	JUL	1975	18	.113
1968	JUL	29	.249	JUL	1977	28	.159
1968	AUG	31	.099	JUL	1973	24	.184
1968	SEP	1	.079	JUL	1980	14	.223
1978	MAY	31	1.430	AUG	1968	31	.099
1978	JUN	30	.249	AUG	1978	1	.116
1978	JUL	15	.091	AUG	1975	21	.133
1978	AUG	1	.116	AUG	1969	15	.193
1978	SEP	10	.348	AUG	1977	4	.193
1972	MAY	30	.572	SEP	1968	1	.079
1972	JUN	20	.651	SEP	1975	10	.161
1972	JUL	31	.371	SEP	1969	14	.275
1972	AUG	6	.334	SEP	1973	16	.303
1972	SEP	5	.323	SEP	1972	5	.323

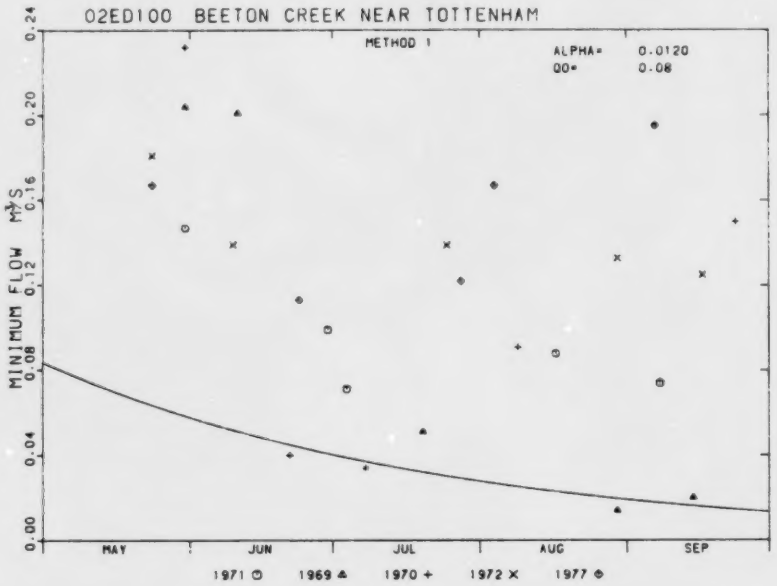
ALPHA= .0138 MU= .0165 QO= .34

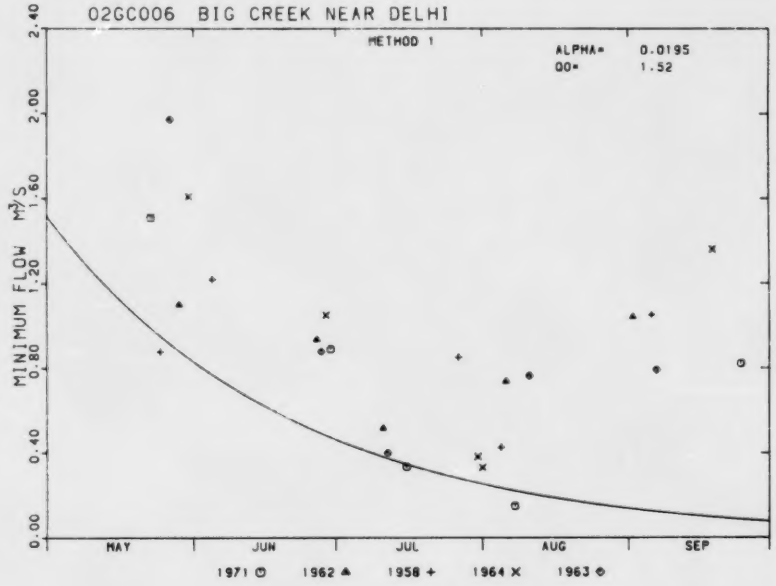
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	744.0	471.8	319.7	208.2	132.0	1875.7	.67
CURVE 2	704.0	428.5	304.6	221.2	163.1	1821.4	.65


02ED100 BEETON CREEK NEAR TOTTENHAM
METHOD 2
ALPHA= 0.0120
QO= 0.08
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02GC006 BIG CREEK NEAR DELHI
METHOD 2
ALPHA= 0.0195
QO= 1.52
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02ED100 BEETON CREEK NEAR TOTTENHAM
METHOD 1
ALPHA= 0.0120
QO= 0.08
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1969 ▲ 1970 + 1972 X 1977 ⊕


02GC006 BIG CREEK NEAR DELHI
METHOD 1
ALPHA= 0.0195
QO= 1.52
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1962 ▲ 1958 + 1964 X 1963 ⊕

02ED100 BEETON CREEK NEAR TOTTENHAM

DRAINAGE AREA 86.0 SQ KM REGULATED

PERIOD OF RECORD 1968-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	31	.147	MAY	1971	31	.147
1971	JUN	30	.099	MAY	1977	24	.167
1971	JUL	4	.071	MAY	1975	25	.176
1971	AUG	17	.088	MAY	1972	24	.181
1971	SEP	8	.074	MAY	1969	31	.204
1969	MAY	31	.204	JUN	1970	22	.040
1969	JUN	11	.201	JUN	1973	15	.096
1969	JUL	20	.051	JUN	1971	30	.099
1969	AUG	30	.014	JUN	1977	24	.113
1969	SEP	15	.020	JUN	1972	10	.139
1970	MAY	31	.232	JUL	1970	8	.034
1970	JUN	22	.040	JUL	1980	8	.048
1970	JUL	8	.034	JUL	1969	20	.051
1970	AUG	9	.091	JUL	1971	4	.071
1970	SEP	24	.150	JUL	1977	28	.122
1972	MAY	24	.181	AUG	1969	30	.014
1972	JUN	10	.139	AUG	1971	17	.088
1972	JUL	25	.139	AUG	1970	9	.091
1972	AUG	30	.133	AUG	1973	8	.125
1972	SEP	17	.125	AUG	1972	30	.123
1977	MAY	24	.167	SEP	1969	15	.020
1977	JUN	24	.113	SEP	1971	8	.074
1977	JUL	28	.122	SEP	1972	17	.125
1977	AUG	4	.167	SEP	1979	26	.133
1977	SEP	7	.195	SEP	1973	8	.139

ALPHA= .0120 QO= .08

02GC006 BIG CREEK NEAR DELHI

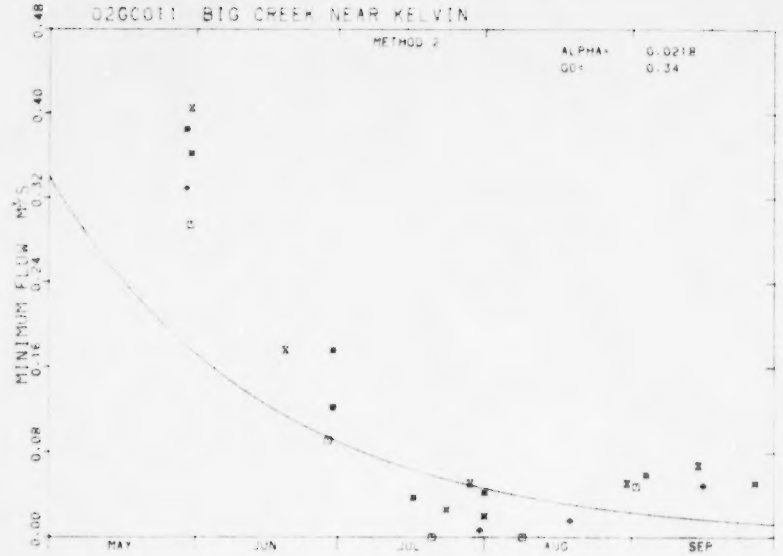
DRAINAGE AREA 363 SQ KM REGULATED

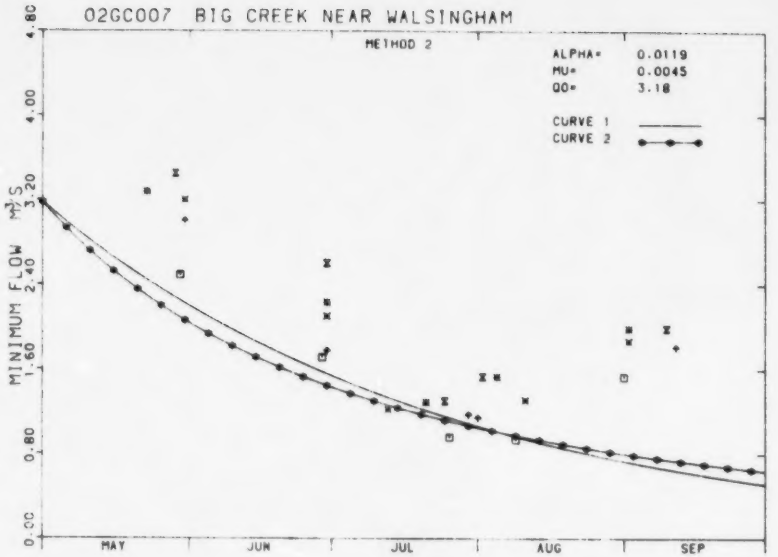
PERIOD OF RECORD 1955-80

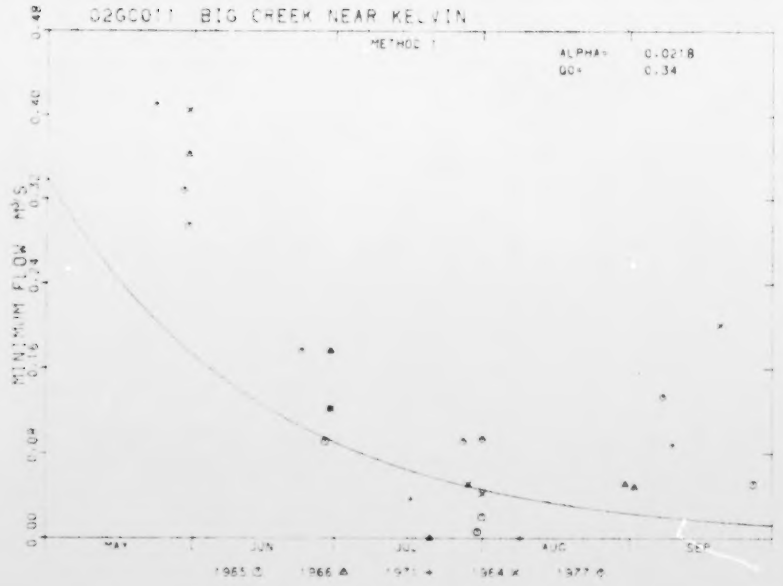
DISCHARGES IN CUBIC METRES PER SECOND

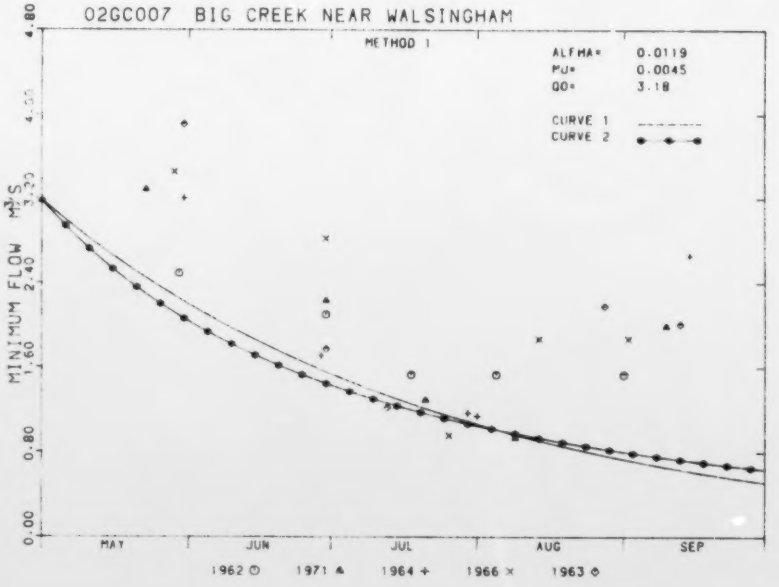
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	1.51	MAY	1958	25	.88
1971	JUN	30	.89	MAY	1962	29	1.10
1971	JUL	16	.33	MAY	1966	28	1.47
1971	AUG	8	.15	MAY	1971	23	1.51
1971	SEP	25	.82	MAY	1964	31	1.61
1962	MAY	29	1.10	JUN	1963	28	.88
1962	JUN	27	.93	JUN	1971	30	.89
1962	JUL	11	.52	JUN	1962	27	.93
1962	AUG	6	.74	JUN	1959	30	.96
1962	SEP	2	1.04	JUN	1964	29	1.05
1958	MAY	25	.88	JUL	1965	30	.31
1958	JUN	5	1.22	JUL	1959	20	.31
1958	JUL	27	.85	JUL	1971	16	.33
1958	AUG	5	.43	JUL	1964	31	.38
1958	SEP	6	1.05	JUL	1963	12	.40
1964	MAY	31	1.61	AUG	1971	8	.15
1964	JUN	29	1.05	AUG	1956	19	.17
1964	JUL	31	.38	AUG	1959	9	.28
1964	AUG	1	.33	AUG	1964	1	.33
1964	SEP	19	1.36	AUG	1958	5	.43
1963	MAY	27	1.97	SEP	1961	17	.77
1963	JUN	28	.88	SEP	1963	7	.79
1963	JUL	12	.40	SEP	1971	25	.82
1963	AUG	11	.76	SEP	1970	1	.96
1963	SEP	7	.79	SEP	1960	25	.97

ALPHA= .0195 QO= 1.52


02GC011 BIG CREEK NEAR KELVIN
METHOD 2
ALPHA= 0.0218
QO= 0.34
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02GC007 BIG CREEK NEAR WALSINGHAM
METHOD 2
ALPHA= 0.0119
MU= 0.0045
QO= 3.18
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02GC011 BIG CREEK NEAR KELVIN
METHOD 1
ALPHA= 0.0218
QO= 0.34
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1966 △ 1971 + 1964 × 1977 ◇


02GC007 BIG CREEK NEAR WALSINGHAM
METHOD 1
ALFMA= 0.0119
MU= 0.0045
QO= 3.18
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1971 △ 1964 + 1966 × 1963 ◇

02GC011 BIG CREEK NEAR KELVIN

DRAINAGE AREA 142 SQ KM REGULATED

PERIOD OF RECORD 1963-78

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	.294	MAY	1965	31	.294
1965	JUN	29	.091	MAY	1977	30	.328
1965	JUL	31	.006	MAY	1966	31	.362
1965	AUG	1	.020	MAY	1975	30	.385
1965	SEP	27	.051	MAY	1964	31	.405
1966	MAY	31	.362	JUN	1965	29	.091
1966	JUN	30	.176	JUN	1964	30	.122
1966	JUL	21	0.000	JUN	1971	30	.122
1966	AUG	31	.051	JUN	1966	30	.176
1966	SEP	2	.048	JUN	1968	20	.176
1971	MAY	24	.411	JUL	1966	21	0.000
1971	JUN	30	.122	JUL	1965	31	.006
1971	JUL	17	.037	JUL	1969	24	.026
1971	AUG	9	0.000	JUL	1971	17	.037
1971	SEP	10	.088	JUL	1964	29	.051
1964	MAY	31	.405	AUG	1971	9	0.000
1964	JUN	30	.122	AUG	1969	19	.015
1964	JUL	29	.051	AUG	1965	1	.020
1964	AUG	1	.042	AUG	1964	1	.042
1964	SEP	20	.201	AUG	1966	31	.051
1977	MAY	30	.328	SEP	1966	2	.048
1977	JUN	24	.176	SEP	1969	16	.048
1977	JUL	28	.091	SEP	1965	27	.051
1977	AUG	1	.093	SEP	1973	4	.059
1977	SEP	8	.133	SEP	1967	15	.068

ALPHA= .0218 QO= .34

MAXIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.674	.184	.061	.064	.062

02GC007 BIG CREEK NEAR WALSINGHAM

DRAINAGE AREA 591 SQ KM REGULATED

PERIOD OF RECORD 1955-80

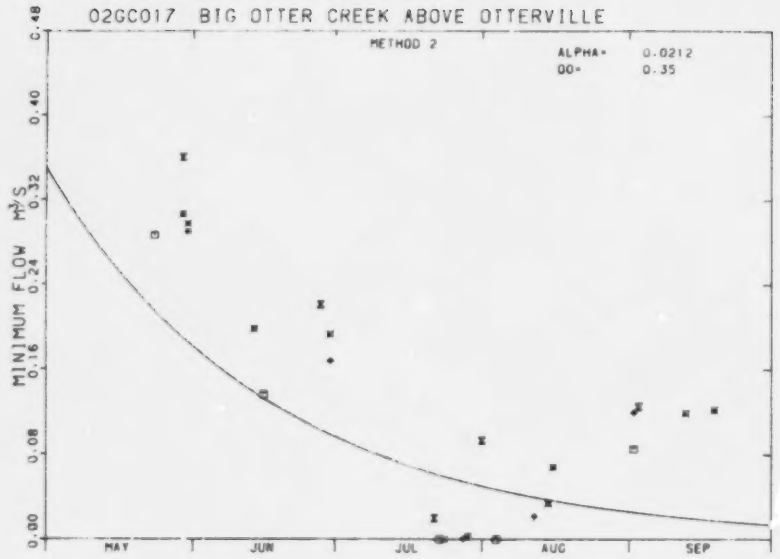
DISCHARGES IN CUBIC METRES PER SECOND

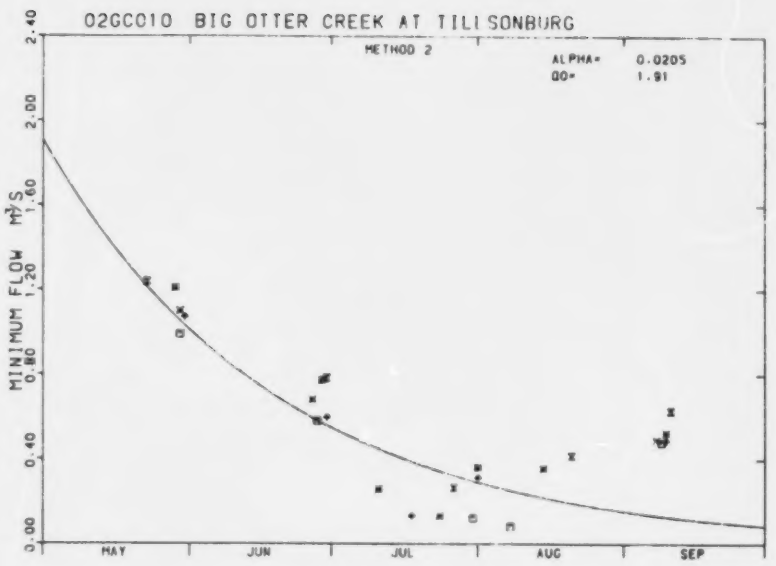
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	2.49	MAY	1962	30	2.49
1962	JUN	30	2.10	MAY	1958	31	3.00
1962	JUL	18	1.53	MAY	1964	31	3.20
1962	AUG	5	1.53	MAY	1971	23	3.28
1962	SEP	1	1.53	MAY	1966	29	3.45
1971	MAY	23	3.28	JUN	1964	29	1.71
1971	JUN	30	2.23	JUN	1963	30	1.77
1971	JUL	21	1.29	JUN	1962	30	2.10
1971	AUG	9	.93	JUN	1971	30	2.23
1971	SEP	10	1.99	JUN	1965	30	2.60
1964	MAY	31	3.20	JUL	1966	26	.96
1964	JUN	29	1.71	JUL	1964	30	1.17
1964	JUL	30	1.17	JUL	1963	13	1.22
1964	AUG	1	1.14	JUL	1971	21	1.29
1964	SEP	15	2.66	JUL	1979	25	1.30
1966	MAY	29	3.45	AUG	1971	9	.93
1966	JUN	30	2.82	AUG	1964	1	1.14
1966	JUL	26	.96	AUG	1970	11	1.31
1966	AUG	14	1.87	AUG	1962	5	1.53
1966	SEP	2	1.67	AUG	1975	2	1.53
1963	MAY	31	3.91	SEP	1962	1	1.53
1963	JUN	30	1.77	SEP	1969	12	1.81
1963	JUL	13	1.22	SEP	1966	2	1.87
1963	AUG	28	2.18	SEP	1970	2	1.99
1963	SEP	13	2.01	SEP	1971	10	1.99

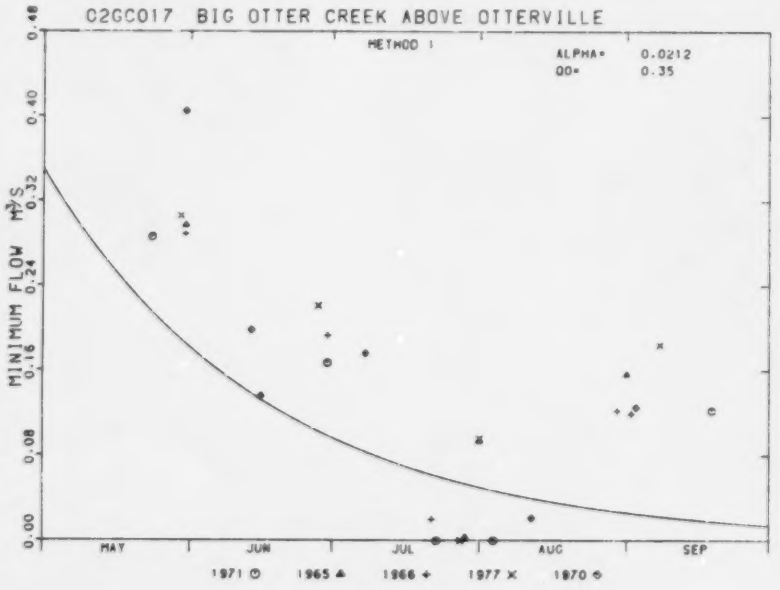
ALPHA= .0119 MU= .0045 QO= 3.18

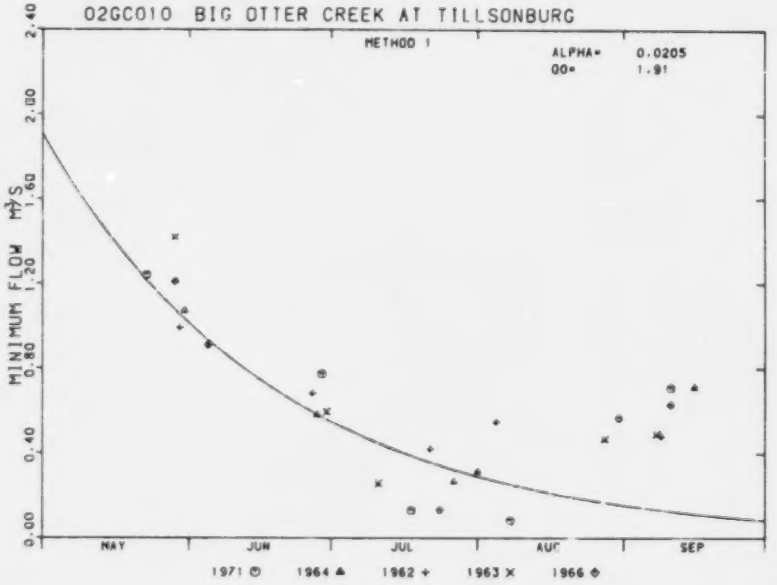
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	7119.3	4787.9	3440.6	2377.7	1599.0	19324.5	3.27
CURVE 2	6813.4	4420.4	3278.3	2455.6	1853.2	18820.9	3.18


02GC017 BIG OTTER CREEK ABOVE OTTERVILLE
METHOD 2
ALPHA= 0.0212
QO= 0.35
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02GC010 BIG OTTER CREEK AT TILLSONBURG
METHOD 2
ALPHA= 0.0205
QO= 1.91
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02GC017 BIG OTTER CREEK ABOVE OTTERVILLE
METHOD 1
ALPHA= 0.0212
QO= 0.35
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1965 ▲ 1966 + 1977 × 1970 ◇


02GC010 BIG OTTER CREEK AT TILLSONBURG
METHOD 1
ALPHA= 0.0205
QO= 1.91
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1964 ▲ 1962 + 1963 × 1966 ◇

02GC017 BIG OTTER CREEK ABOVE OTTERVILLE

DRAINAGE AREA 93.2 SQ KM REGULATED

PERIOD OF RECORD 1964-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	24	.286	MAY	1971	24	.286
1971	JUN	30	.167	MAY	1966	31	.289
1971	JUL	23	0.000	MAY	1965	31	.297
1971	AUG	4	0.000	MAY	1977	30	.306
1971	SEP	19	.122	MAY	1975	30	.360
1965	MAY	31	.297	JUN	1965	16	.136
1965	JUN	16	.136	JUN	1971	30	.167
1965	JUL	29	.003	JUN	1966	30	.193
1965	AUG	1	.093	JUN	1970	14	.198
1965	SEP	1	.156	JUN	1977	28	.221
1966	MAY	31	.289	JUL	1971	23	0.000
1966	JUN	30	.193	JUL	1977	28	0.000
1966	JUL	22	.020	JUL	1979	24	0.000
1966	AUG	30	.122	JUL	1965	29	.003
1966	SEP	2	.119	JUL	1966	22	.020
1977	MAY	30	.306	AUG	1971	4	0.000
1977	JUN	28	.221	AUG	1970	12	.021
1977	JUL	28	0.000	AUG	1967	15	.034
1977	AUG	1	.096	AUG	1969	16	.068
1977	SEP	8	.184	AUG	1965	1	.093
1970	MAY	31	.405	SEP	1978	2	.085
1970	JUN	14	.198	SEP	1966	2	.119
1970	JUL	8	.176	SEP	1979	13	.119
1970	AUG	12	.021	SEP	1971	19	.122
1970	SEP	3	.125	SEP	1970	3	.125

ALPHA= .0212 QO= .35

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.428	.201	.104	.099	.141

02GC010 BIG OTTER CREEK AT TILLSONBURG

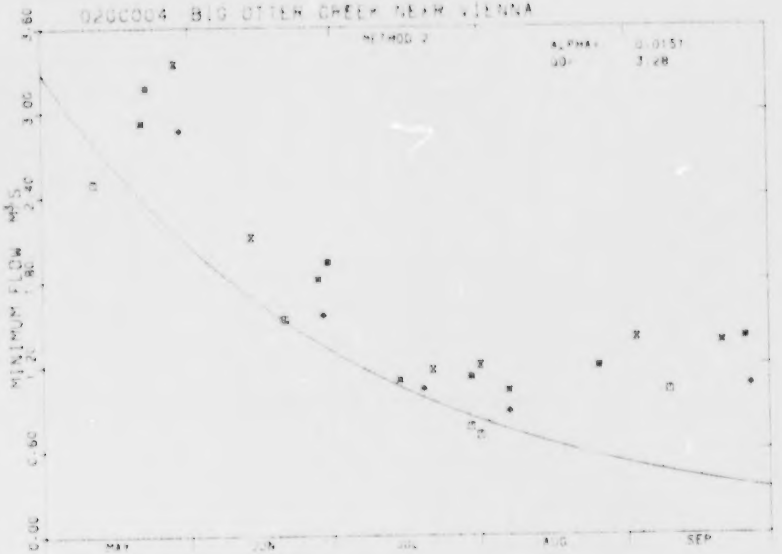
DRAINAGE AREA 342 SQ KM NATURAL FLOW

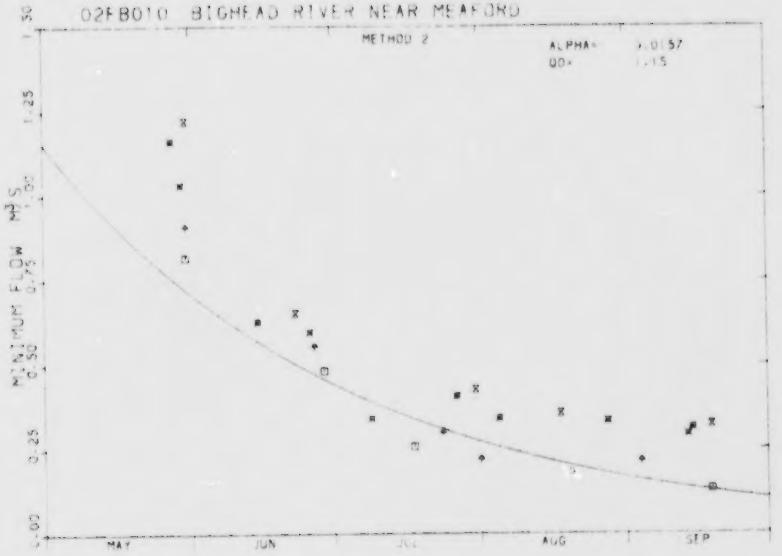
PERIOD OF RECORD 1960-80

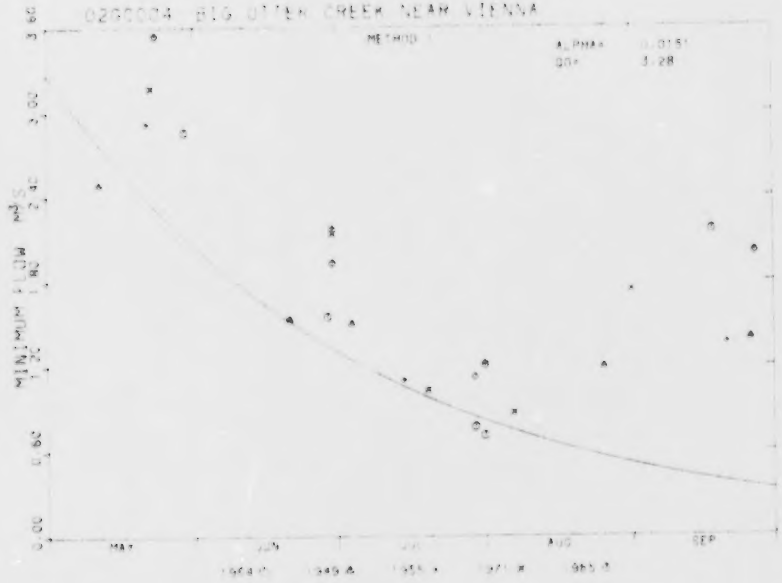
DISCHARGES IN CUBIC METRES PER SECOND

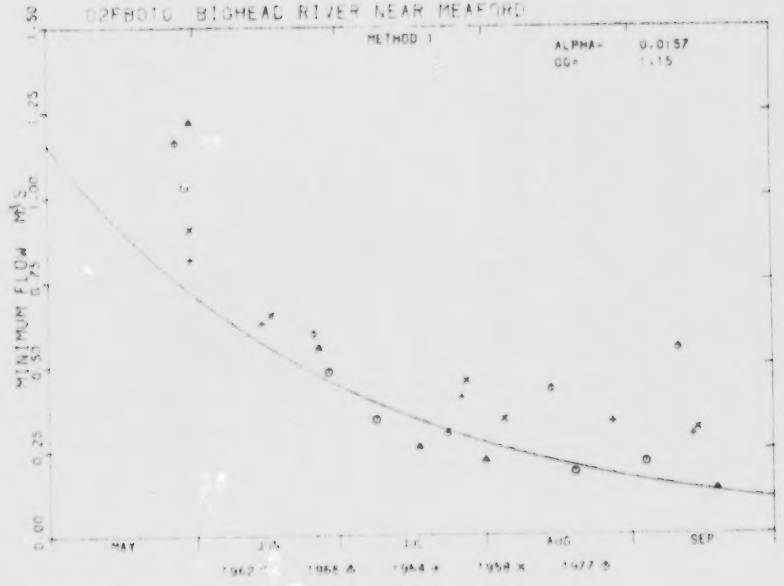
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	1.24	MAY	1962	30	.99
1971	JUN	29	.77	MAY	1964	31	1.07
1971	JUL	18	.13	MAY	1977	30	1.10
1971	AUG	8	.08	MAY	1966	29	1.21
1971	SEP	11	.71	MAY	1971	23	1.24
1964	MAY	31	1.07	JUN	1964	28	.58
1964	JUN	28	.58	JUN	1963	30	.60
1964	JUL	27	.27	JUN	1962	27	.68
1964	AUG	1	.31	JUN	1971	29	.77
1964	SEP	16	.71	JUN	1977	30	.78
1962	MAY	30	.99	JUL	1977	31	.12
1962	JUN	27	.68	JUL	1971	18	.13
1962	JUL	22	.42	JUL	1966	24	.13
1962	AUG	5	.35	JUL	1963	11	.26
1962	SEP	9	.48	JUL	1964	27	.27
1963	MAY	29	1.42	AUG	1971	8	.08
1963	JUN	30	.60	AUG	1964	1	.31
1963	JUL	11	.26	AUG	1970	15	.36
1963	AUG	28	.47	AUG	1965	1	.36
1963	SEP	8	.49	AUG	1969	21	.42
1966	MAY	29	1.21	SEP	1962	9	.48
1966	JUN	5	.91	SEP	1967	10	.49
1966	JUL	24	.13	SEP	1963	8	.49
1966	AUG	31	.57	SEP	1961	10	.52
1966	SEP	11	.63	SEP	1966	11	.63

ALPHA= .0205 QO= 1.91


02CC004 BIG OTTER CREEK NEAR VIENNA
METHOD 2
ALPHA= 0.0157
QQ= 3.28
MINIMUM FLOW M3/S
MAY
JUN
AUG
SEP


02FB010 BIGHEAD RIVER NEAR MEAFORD
METHOD 2
ALPHA= 0.0157
QQ= 1.15
MINIMUM FLOW M3/S
MAY
JUN
AUG
SEP


02CC004 BIG OTTER CREEK NEAR VIENNA
METHOD 1
ALPHA= 0.0157
QQ= 3.28
MINIMUM FLOW M3/S
MAY
AUG
SEP


02FB010 BIGHEAD RIVER NEAR MEAFORD
METHOD 1
ALPHA= 0.0157
QQ= 1.15
MINIMUM FLOW M3/S
MAY
AUG
SEP

02GC004 BIG OTTER CREEK NEAR VIENNA

DRAINAGE AREA 697 SQ KM REGULATED

PERIOD OF RECORD 1948-75

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	30	2.86	MAY	1949	12	2.49
1964	JUN	29	1.95	MAY	1964	30	2.86
1964	JUL	30	.77	MAY	1955	22	2.92
1964	AUG	1	.71	MAY	1971	23	3.17
1964	SEP	18	2.16	MAY	1975	29	3.34
1949	MAY	12	2.49	JUN	1949	21	1.53
1949	JUN	21	1.53	JUN	1964	29	1.95
1949	JUL	4	1.50	JUN	1959	28	1.81
1949	AUG	26	1.19	JUN	1965	30	1.93
1949	SEP	26	1.39	JUN	1970	14	2.11
1955	MAY	22	2.92	JUL	1964	30	.77
1955	JUN	30	2.18	JUL	1971	20	1.03
1955	JUL	15	1.10	JUL	1955	15	1.10
1955	AUG	1	1.22	JUL	1965	30	1.12
1955	SEP	21	1.36	JUL	1966	22	1.17
1971	MAY	23	3.17	AUG	1964	1	.71
1971	JUN	30	2.14	AUG	1971	7	.87
1971	JUL	20	1.03	AUG	1952	7	1.02
1971	AUG	7	.87	AUG	1949	26	1.19
1971	SEP	1	1.74	AUG	1965	1	1.20
1965	MAY	24	3.54	SEP	1951	10	1.02
1965	JUN	30	1.93	SEP	1952	27	1.05
1965	JUL	30	1.12	SEP	1955	21	1.36
1965	AUG	1	1.20	SEP	1949	26	1.39
1965	SEP	27	2.00	SEP	1958	3	1.39

ALPHA= .0151 QO= 3.28

02FB010 BIGHEAD RIVER NEAR MEAFORD

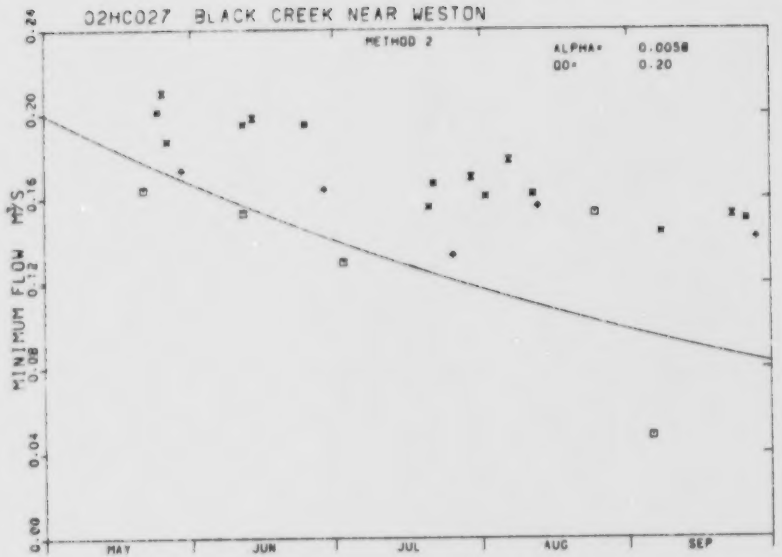
DRAINAGE AREA 293 SQ KM REGULATED

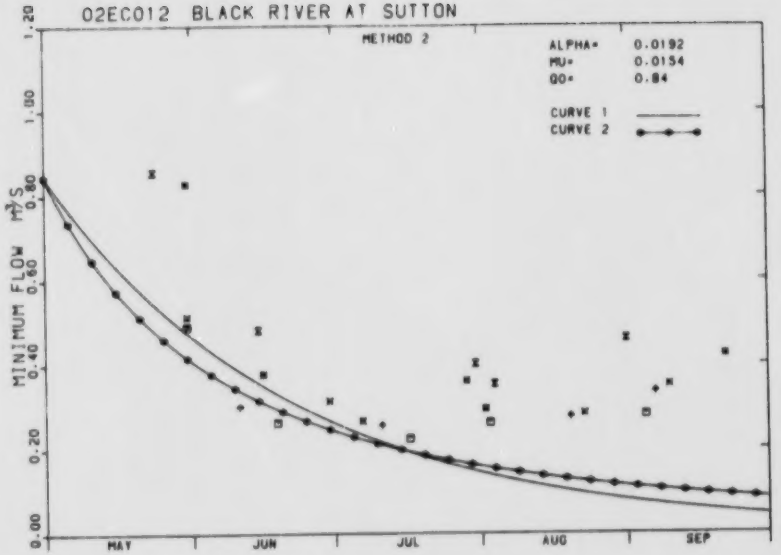
PERIOD OF RECORD 1957-80

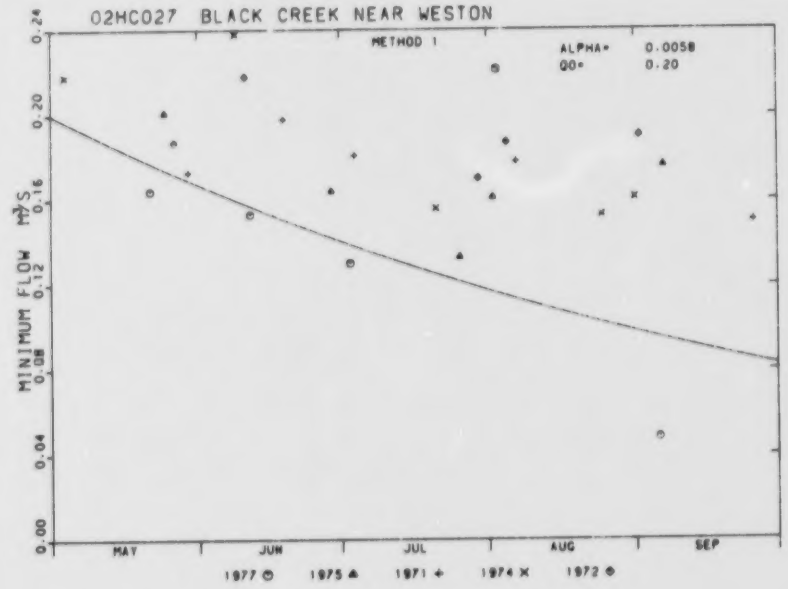
DISCHARGES IN CUBIC METRES PER SECOND

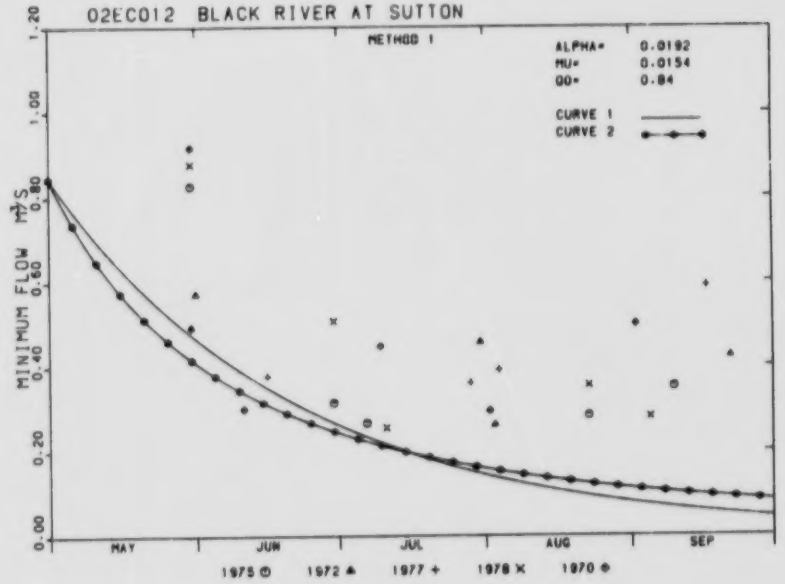
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	1.03	MAY	1964	31	.82
1962	JUN	29	.48	MAY	1958	31	.91
1962	JUL	9	.34	MAY	1962	30	1.03
1962	AUG	20	.18	MAY	1977	28	1.16
1962	SEP	4	.21	MAY	1966	31	1.22
1966	MAY	31	1.22	JUN	1962	29	.48
1966	JUN	27	.55	JUN	1966	27	.55
1966	JUL	18	.26	JUN	1977	26	.60
1966	AUG	1	.22	JUN	1964	15	.63
1966	SEP	19	.13	JUN	1957	23	.65
1964	MAY	31	.82	JUL	1966	18	.26
1964	JUN	15	.63	JUL	1977	24	.30
1964	JUL	27	.41	JUL	1962	9	.34
1964	AUG	28	.33	JUL	1964	27	.41
1964	SEP	14	.29	JUL	1963	31	.43
1958	MAY	31	.91	AUG	1962	20	.18
1958	JUN	17	.65	AUG	1966	1	.22
1958	JUL	28	.45	AUG	1964	20	.33
1958	AUG	5	.34	AUG	1958	5	.34
1958	SEP	15	.31	AUG	1975	18	.35
1977	MAY	28	1.16	SEP	1966	19	.18
1977	JUN	26	.60	SEP	1962	4	.21
1977	JUL	24	.30	SEP	1964	14	.29
1977	AUG	15	.43	SEP	1958	15	.31
1977	SEP	11	.55	SEP	1971	19	.32

ALPHA= .0197 QO= 1.15


02HC027 BLACK CREEK NEAR WESTON
METHOD 2
ALPHA= 0.0058
QO= 0.20
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02EC012 BLACK RIVER AT SUTTON
METHOD 2
ALPHA= 0.0192
MU= 0.0154
QO= 0.84
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HC027 BLACK CREEK NEAR WESTON
METHOD 1
ALPHA= 0.0058
QO= 0.20
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1971 + 1974 × 1972 ◆


02EC012 BLACK RIVER AT SUTTON
METHOD 1
ALPHA= 0.0192
MU= 0.0154
QO= 0.84
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1972 ▲ 1977 + 1978 × 1970 ◆

02HC027 BLACK CREEK NEAR WESTON

DRAINAGE AREA 58.0 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	22	.164	MAY	1977	22	.164
1977	JUN	12	.153	MAY	1971	30	.173
1977	JUL	3	.130	MAY	1972	27	.187
1977	AUG	3	.221	MAY	1975	25	.201
1977	SEP	6	.048	MAY	1968	26	.210
1975	MAY	25	.201	JUN	1977	12	.153
1975	JUN	29	.164	JUN	1975	29	.164
1975	JUL	26	.133	JUN	1976	17	.195
1975	AUG	2	.161	JUN	1978	25	.195
1975	SEP	7	.176	JUN	1970	14	.198
1971	MAY	30	.173	JUL	1977	3	.130
1971	JUN	19	.198	JUL	1975	26	.133
1971	JUL	4	.181	JUL	1974	21	.156
1971	AUG	7	.178	JUL	1979	22	.167
1971	SEP	26	.150	JUL	1972	30	.170
1974	MAY	4	.218	AUG	1974	25	.153
1974	JUN	9	.238	AUG	1978	13	.156
1974	JUL	21	.156	AUG	1975	2	.161
1974	AUG	25	.153	AUG	1979	12	.162
1974	SEP	1	.161	AUG	1971	7	.178
1972	MAY	27	.187	SEP	1977	6	.046
1972	JUN	11	.218	SEP	1980	28	.141
1972	JUL	30	.170	SEP	1973	8	.144
1972	AUG	5	.187	SEP	1971	26	.150
1972	SEP	2	.190	SEP	1979	23	.157

ALPHA= .0056 QO= .20

02EC012 BLACK RIVER AT SUTTON

DRAINAGE AREA 324 SQ KM REGULATED

PERIOD OF RECORD 1969-80

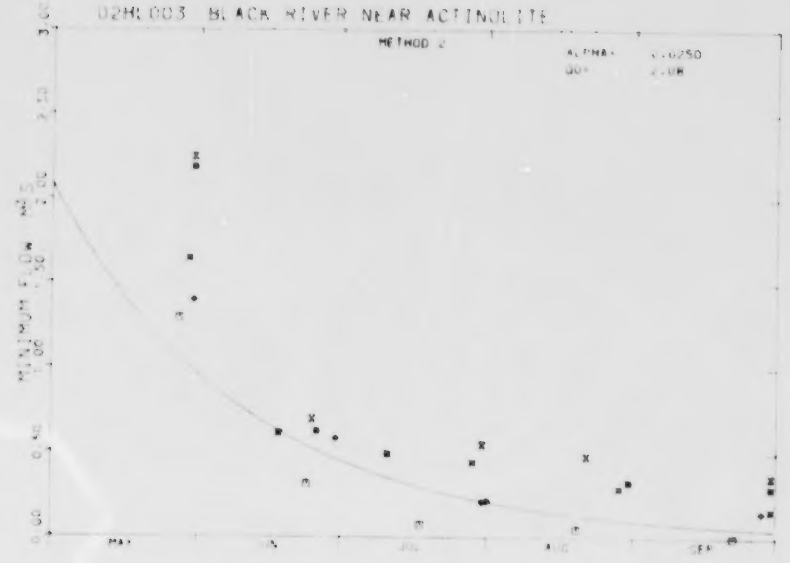
DISCHARGES IN CUBIC METRES PER SECOND

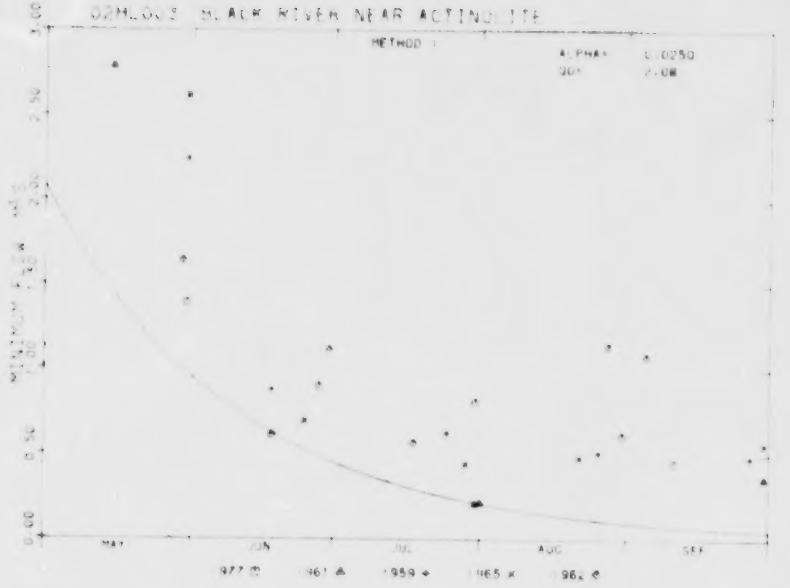
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	31	.827	MAY	1977	31	.490
1975	JUN	30	.314	MAY	1972	31	.493
1975	JUL	7	.266	MAY	1980	31	.913
1975	AUG	23	.283	MAY	1975	31	.827
1975	SEP	10	.351	MAY	1971	24	.859
1972	MAY	31	.493	JUN	1973	19	.263
1972	JUN	1	.572	JUN	1970	11	.300
1972	JUL	31	.456	JUN	1975	30	.314
1972	AUG	3	.261	JUN	1977	16	.177
1972	SEP	22	.422	JUN	1971	15	.481
1977	MAY	31	.490	JUL	1974	17	.224
1977	JUN	16	.377	JUL	1978	11	.259
1977	JUL	29	.360	JUL	1975	7	.266
1977	AUG	4	.391	JUL	1977	29	.360
1977	SEP	17	.589	JUL	1979	31	.400
1978	MAY	31	.878	AUG	1972	3	.261
1978	JUN	30	.507	AUG	1971	20	.275
1978	JUL	11	.255	AUG	1975	23	.283
1978	AUG	23	.354	AUG	1970	2	.294
1978	SEP	5	.280	AUG	1979	4	.352
1970	MAY	31	.917	SEP	1978	5	.280
1970	JUN	11	.300	SEP	1973	7	.334
1970	JUL	10	.447	SEP	1975	10	.351
1970	AUG	2	.294	SEP	1972	22	.422
1970	SEP	2	.498	SEP	1979	1	.460

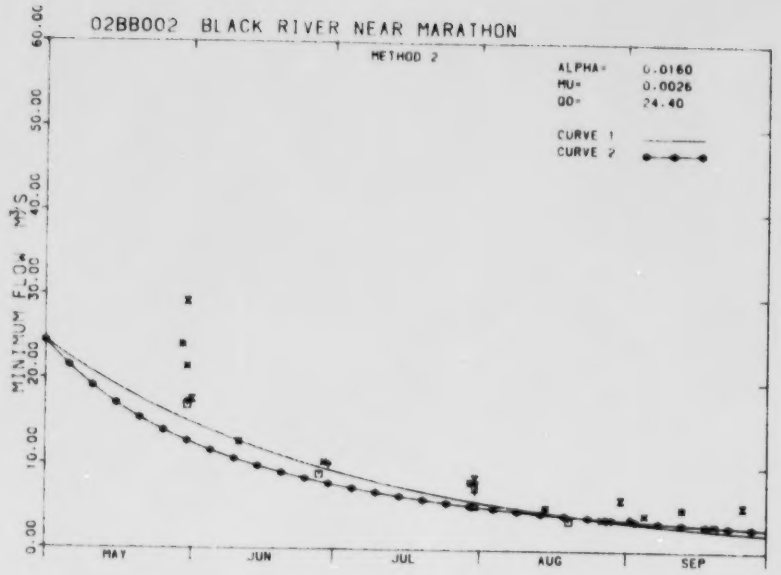
ALPHA= .0192 MU= .0154 QO= .84

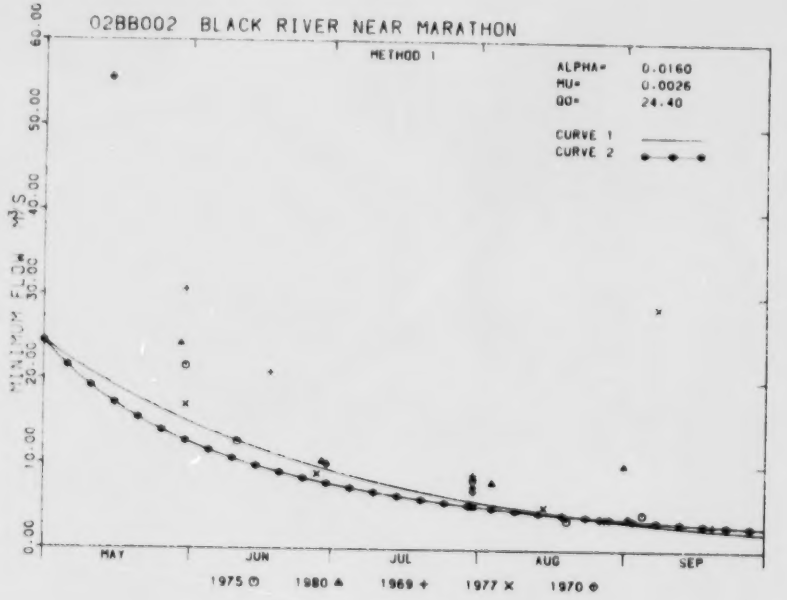
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1703.6	915.9	526.8	290.1	156.0	3592.4	1.11
CURVE 2	1570.7	814.6	525.7	357.2	251.3	3919.5	1.09


02HL003 BLACK RIVER NEAR ACTINOLITE
METHOD 2
MAY
JUN
JUL
AUG
SEP


02HL003 BLACK RIVER NEAR ACTINOLITE
METHOD 1
MAY
JUN
JUL
AUG
SEP


02BB002 BLACK RIVER NEAR MARATHON
METHOD 2
ALPHA= 0.0160
MU= 0.0026
QO= 24.40
CURVE 1
CURVE 2
MINIMUM FLOW m3/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP


02BB002 BLACK RIVER NEAR MARATHON
METHOD 1
ALPHA= 0.0160
MU= 0.0026
QO= 24.40
CURVE 1
CURVE 2
MINIMUM FLOW m3/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP
1975
1980
1969
1977
1970

02HL003 BLACK RIVER NEAR ACTINOLITE

DRAINAGE AREA 401 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	1.39	MAY	1968	28	1.29
1977	JUN	29	.90	MAY	1977	31	1.39
1977	JUL	31	.81	MAY	1962	30	1.64
1977	AUG	31	.61	MAY	1958	31	2.18
1977	SEP	11	.45	MAY	1959	31	2.24
1961	MAY	15	2.78	JUN	1976	24	.31
1961	JUN	30	1.12	JUN	1971	30	.58
1961	JUL	31	.20	JUN	1962	18	.61
1961	AUG	1	.21	JUN	1963	26	.62
1961	SEP	30	.36	JUN	1965	25	.69
1959	MAY	31	2.24	JUL	1975	18	.08
1959	JUN	18	.88	JUL	1961	31	.20
1959	JUL	25	.62	JUL	1965	29	.44
1959	AUG	26	.51	JUL	1971	11	.49
1959	SEP	27	.48	JUL	1979	31	.55
1965	MAY	31	2.61	AUG	1978	20	.05
1965	JUN	25	.69	AUG	1961	1	.21
1965	JUL	29	.44	AUG	1960	29	.29
1965	AUG	22	.48	AUG	1979	31	.33
1965	SEP	30	.56	AUG	1965	22	.48
1962	MAY	30	1.64	SEP	1960	22	0.00
1962	JUN	19	.61	SEP	1973	28	.14
1962	JUL	18	.57	SEP	1979	30	.16
1962	AUG	28	1.14	SEP	1966	30	.29
1962	SEP	5	1.08	SEP	1961	30	.36

ALPHA= .0250 QO= 2.08

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
2.690	1.010	.570	.619	.070

02BB002 BLACK RIVER NEAR MARATHON

DRAINAGE AREA 1980 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

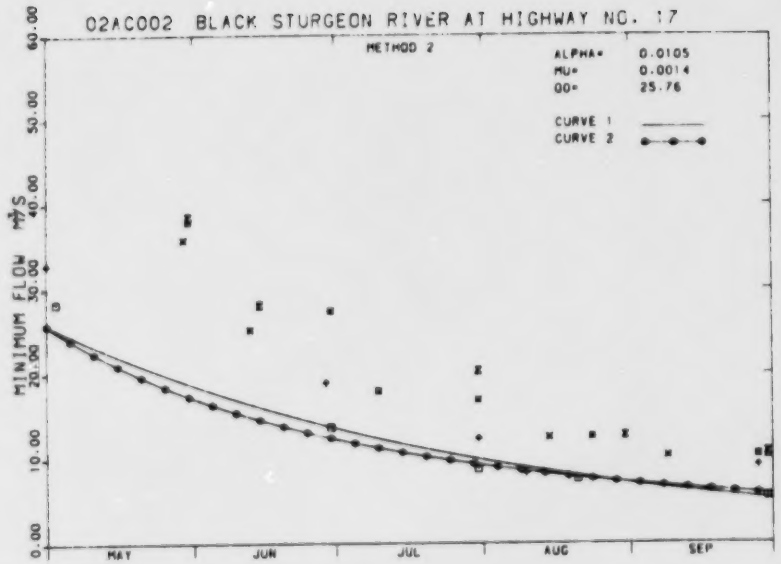
DISCHARGES IN CUBIC METRES PER SECOND

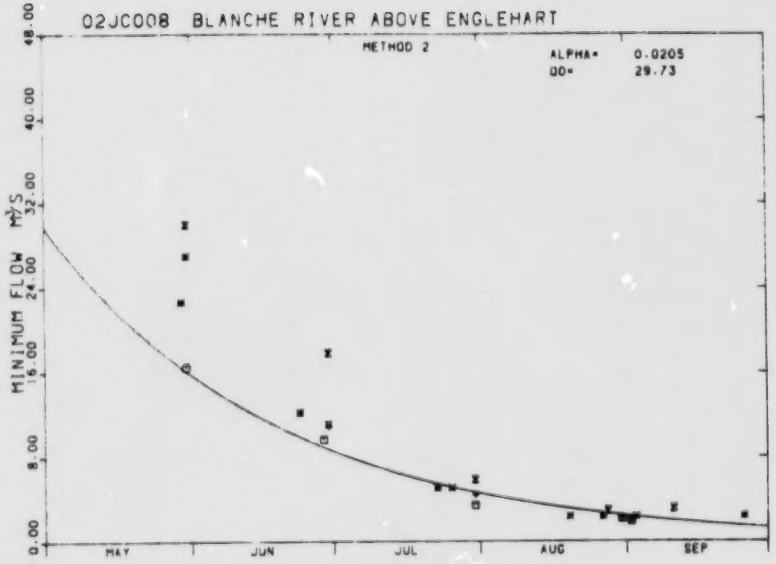
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	31	21.50	MAY	1977	31	16.90
1975	JUN	11	12.60	MAY	1968	31	17.30
1975	JUL	31	5.24	MAY	1975	31	21.50
1975	AUG	20	3.54	MAY	1980	30	24.10
1975	SEP	5	4.30	MAY	1973	31	29.20
1980	MAY	30	24.10	JUN	1977	28	8.86
1980	JUN	29	10.30	JUN	1970	30	10.00
1980	JUL	31	8.49	JUN	1980	29	10.30
1980	AUG	4	7.89	JUN	1975	11	12.60
1980	SEP	1	9.98	JUN	1968	1	17.60
1969	MAY	31	30.60	JUL	1975	31	5.24
1969	JUN	18	20.80	JUL	1970	31	6.94
1969	JUL	31	8.83	JUL	1977	31	7.73
1969	AUG	28	3.68	JUL	1979	30	8.00
1969	SEP	20	3.00	JUL	1980	31	8.49
1977	MAY	31	16.90	AUG	1975	20	3.54
1977	JUN	28	8.86	AUG	1969	28	3.68
1977	JUL	31	7.73	AUG	1970	27	3.77
1977	AUG	15	5.07	AUG	1977	15	5.07
1977	SEP	8	28.60	AUG	1976	31	6.09
1970	MAY	15	55.50	SEP	1969	20	3.00
1970	JUN	30	10.00	SEP	1970	2	3.85
1970	JUL	31	6.94	SEP	1975	5	4.30
1970	AUG	27	3.77	SEP	1976	13	5.04
1970	SEP	2	3.85	SEP	1978	26	5.38

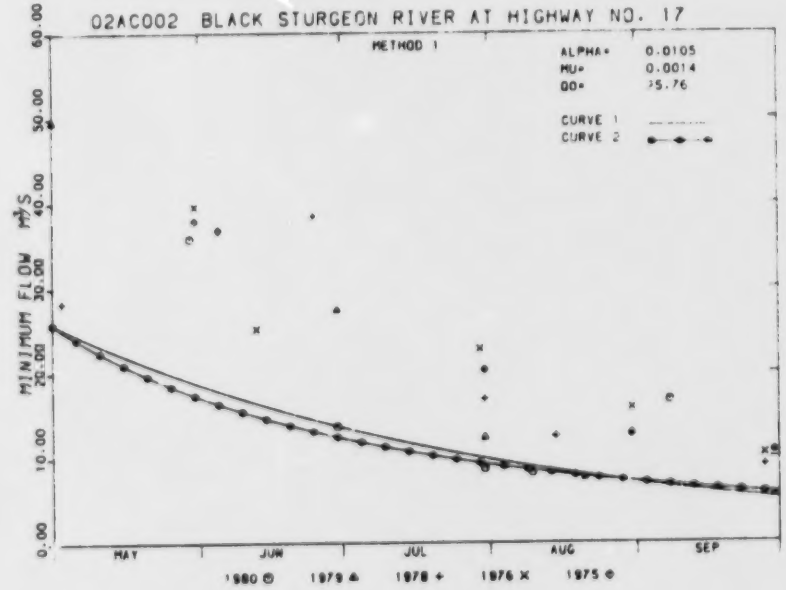
ALPHA= .0160 MU= .0026 QO= 24.40

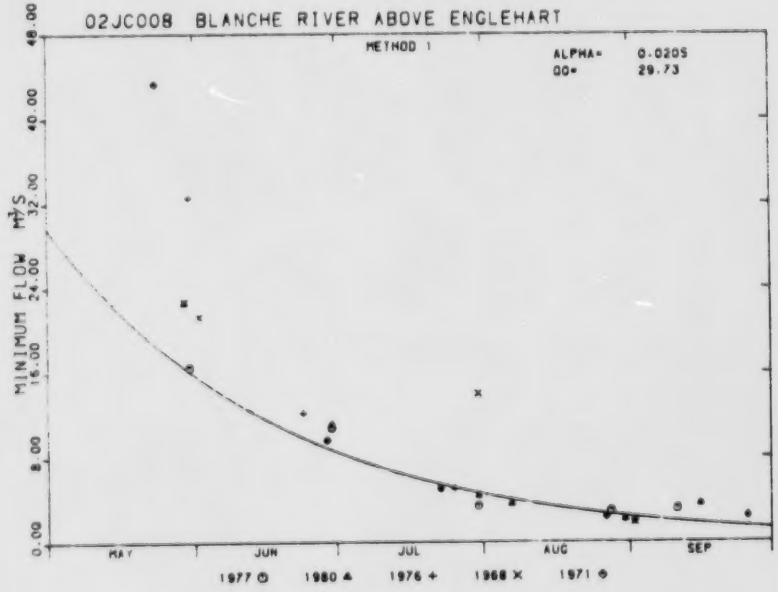
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	51540.2	30614.5	19442.5	11846.3	7036.6	120480.1	6.08
CURVE 2	46640.2	25219.8	16667.7	11507.0	8185.6	108220.2	5.47


02AC002 BLACK STURGEON RIVER AT HIGHWAY NO. 17
METHOD 2
ALPHA= 0.0105
MU= 0.0014
QO= 25.76
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP


02JC008 BLANCHE RIVER ABOVE ENGLEHART
METHOD 2
ALPHA= 0.0205
QO= 29.73
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02AC002 BLACK STURGEON RIVER AT HIGHWAY NO. 17
METHOD 1
ALPHA= 0.0105
MU= 0.0014
QO= 25.76
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1979 ▲ 1978 + 1976 X 1975 ⊕


02JC008 BLANCHE RIVER ABOVE ENGLEHART
METHOD 1
ALPHA= 0.0205
QO= 29.73
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1980 ▲ 1976 + 1968 X 1971 ⊕

02AC002 BLACK STURGEON RIVER AT HIGHWAY NO. 17

DRAINAGE AREA 2980 SQ KM REGULATED

PERIOD OF RECORD 1971-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	30	35.80	MAY	1978	3	28.30
1980	JUN	30	13.70	MAY	1973	1	32.80
1980	JUL	31	8.76	MAY	1980	30	35.80
1980	AUG	10	8.24	MAY	1975	31	37.90
1980	SEP	8	16.70	MAY	1977	31	38.50
1979	MAY	1	49.60	JUN	1980	30	13.70
1979	JUN	30	27.40	JUN	1972	29	18.90
1979	JUL	31	12.30	JUN	1976	13	25.20
1979	AUG	21	7.59	JUN	1979	30	27.40
1979	SEP	30	5.48	JUN	1977	15	28.10
1978	MAY	3	28.30	JUL	1980	31	8.76
1978	JUN	25	38.50	JUL	1979	31	12.30
1978	JUL	31	16.90	JUL	1978	31	16.90
1978	AUG	15	12.50	JUL	1972	10	18.00
1978	SEP	28	9.06	JUL	1975	31	20.30
1976	MAY	31	39.60	AUG	1979	21	7.59
1976	JUN	13	25.20	AUG	1980	10	8.24
1976	JUL	30	22.80	AUG	1978	15	12.50
1976	AUG	31	15.80	AUG	1977	24	12.60
1976	SEP	28	10.40	AUG	1975	31	12.70
1975	MAY	31	37.90	SEP	1979	30	5.48
1975	JUN	5	36.60	SEP	1978	28	9.06
1975	JUL	31	20.30	SEP	1972	9	10.30
1975	AUG	31	12.70	SEP	1976	28	10.40
1975	SEP	30	10.70	SEP	1975	30	10.70

ALPHA= .0105 MU= .0014 QO= 25.76

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	58904.9	41402.4	31090.1	22469.0	15792.7	169659.1	5.69
CURVE 2	56240.5	37640.4	28524.6	21717.0	16592.4	160715.0	5.39

02JC008 BLANCHE RIVER ABOVE ENGLEHART

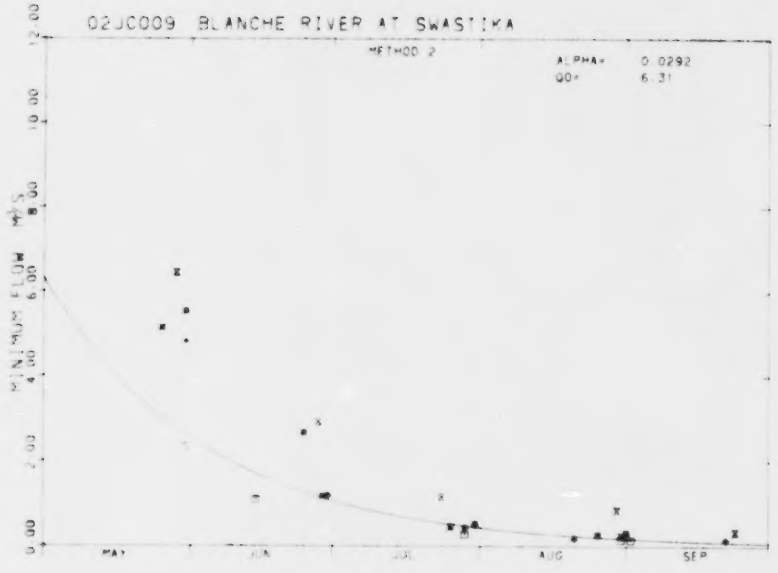
DRAINAGE AREA 1780 SQ KM NATURAL FLOW

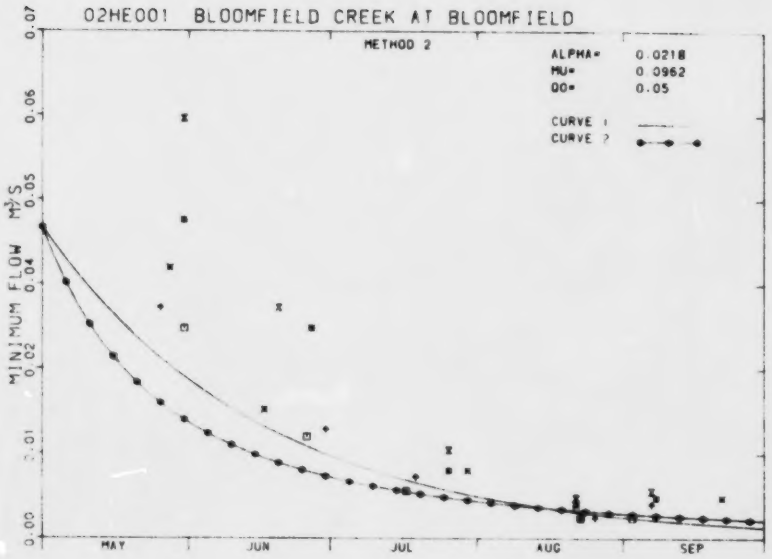
PERIOD OF RECORD 1968-80

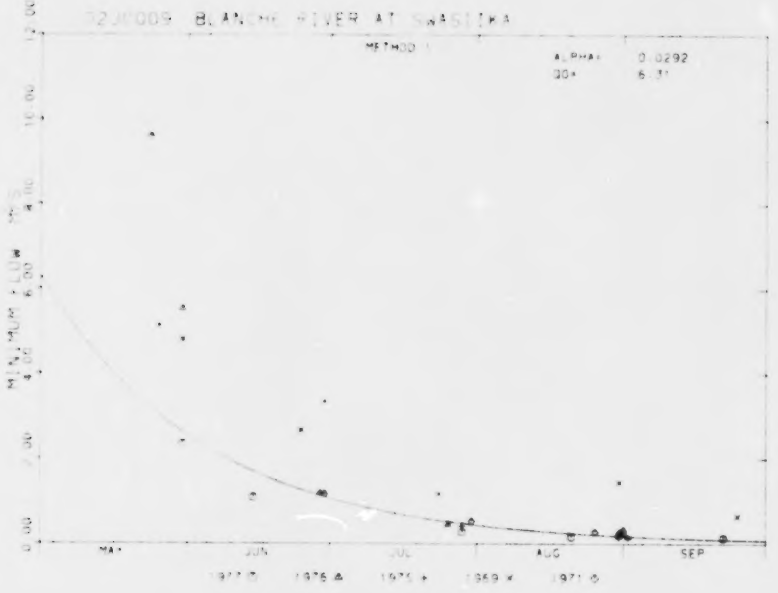
DISCHARGES IN CUBIC METRES PER SECOND

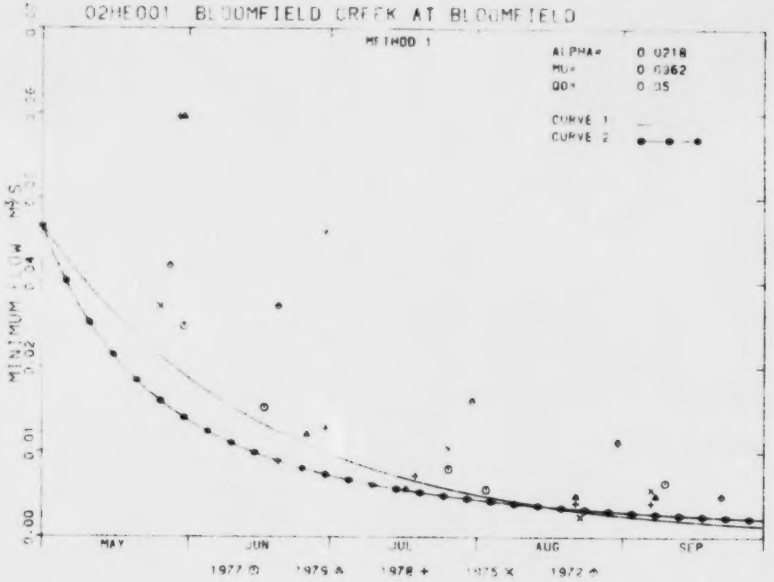
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	16.50	MAY	1977	31	16.50
1977	JUN	30	10.80	MAY	1980	30	22.60
1977	JUL	31	3.40	MAY	1968	30	22.70
1977	AUG	28	2.89	MAY	1969	31	27.00
1977	SEP	11	3.09	MAY	1978	31	30.00
1980	MAY	30	22.60	JUN	1971	29	9.63
1980	JUN	30	11.10	JUN	1977	30	10.80
1980	JUL	31	4.35	JUN	1980	30	11.10
1980	AUG	7	3.60	JUN	1976	24	12.20
1980	SEP	16	3.53	JUN	1969	30	17.80
1976	MAY	31	32.40	JUL	1977	31	3.40
1976	JUN	24	12.20	JUL	1980	31	4.35
1976	JUL	26	5.04	JUL	1976	26	5.04
1976	AUG	31	2.11	JUL	1971	23	5.07
1976	SEP	2	1.94	JUL	1975	31	5.83
1968	MAY	30	22.70	AUG	1976	31	2.11
1968	JUN	2	21.30	AUG	1968	31	2.21
1968	JUL	31	14.00	AUG	1975	20	2.33
1968	AUG	31	2.21	AUG	1971	27	2.35
1968	SEP	2	1.87	AUG	1977	28	2.89
1971	MAY	24	43.30	SEP	1968	2	1.87
1971	JUN	29	9.63	SEP	1976	2	1.94
1971	JUL	23	5.07	SEP	1975	3	2.32
1971	AUG	27	2.35	SEP	1971	26	2.39
1971	SEP	26	2.39	SEP	1977	11	3.09

ALPHA= .0205 QO= 29.73


02JC009 BLANCHE RIVER AT SWASTIKA
METHOD 2
ALPHA= 0.0292
QO= 6.31
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HE001 BLOOMFIELD CREEK AT BLOOMFIELD
METHOD 2
ALPHA= 0.0218
MU= 0.0962
QO= 0.05
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


METHOD 1
ALPHA= 0.0292
QO= 6.31
MAY
JUN
JUL
AUG
SEP


02HE001 BLOOMFIELD CREEK AT BLOOMFIELD
METHOD 1
ALPHA= 0.0218
MU= 0.0962
QO= 0.05
CURVE 1
CURVE 2
MAY
JUN
JUL
AUG
SEP

02JC009 BLANCHE RIVER AT SWASTIKA

DRAINAGE AREA 251 SQ KM NATURAL FLOW

PERIOD OF RECORD 1968-78

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	2.35	MAY	1977	31	2.35
1977	JUN	15	1.09	MAY	1969	31	4.79
1977	JUL	29	.28	MAY	1975	26	5.13
1977	AUG	21	.16	MAY	1976	31	5.52
1977	SEP	22	.14	MAY	1970	29	6.43
1976	MAY	31	5.52	JUN	1977	15	1.09
1976	JUN	29	1.18	JUN	1971	30	1.17
1976	JUL	26	.45	JUN	1976	29	1.18
1976	AUG	31	.26	JUN	1969	25	2.66
1976	SEP	1	.24	JUN	1970	28	2.92
1975	MAY	26	5.13	JUL	1977	29	.28
1975	JUN	30	3.34	JUL	1975	29	.42
1975	JUL	29	.42	JUL	1976	26	.45
1975	AUG	31	.15	JUL	1971	31	.53
1975	SEP	2	.14	JUL	1969	24	1.17
1969	MAY	31	4.79	AUG	1975	31	.15
1969	JUN	25	2.66	AUG	1977	21	.16
1969	JUL	24	1.17	AUG	1976	31	.26
1969	AUG	31	1.44	AUG	1971	26	.28
1969	SEP	25	.65	AUG	1970	30	.86
1971	MAY	24	9.60	SEP	1975	2	.14
1971	JUN	30	1.17	SEP	1977	22	.14
1971	JUL	31	.53	SEP	1976	1	.24
1971	AUG	26	.28	SEP	1971	1	.32
1971	SEP	1	.32	SEP	1970	24	.34

ALPHA= .0292 QO= 6.31

02HE001 BLOOMFIELD CREEK AT BLOOMFIELD

DRAINAGE AREA 19.4 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

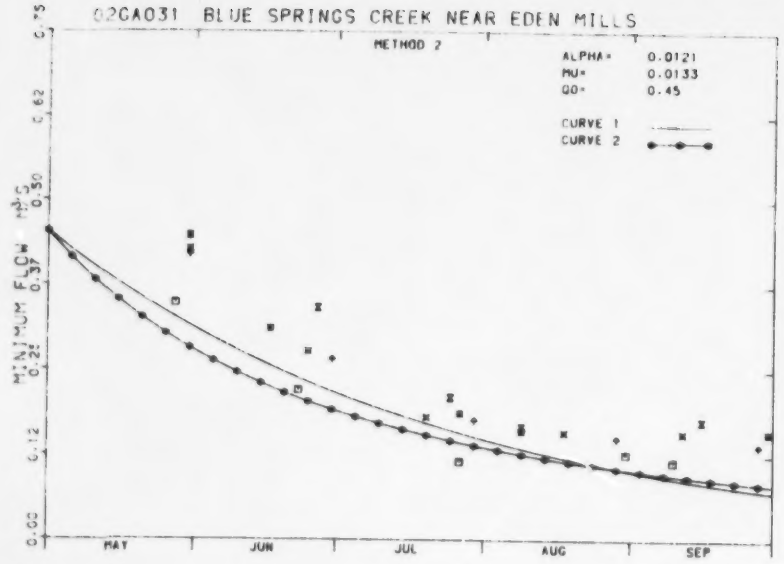
DISCHARGES IN CUBIC METRES PER SECOND

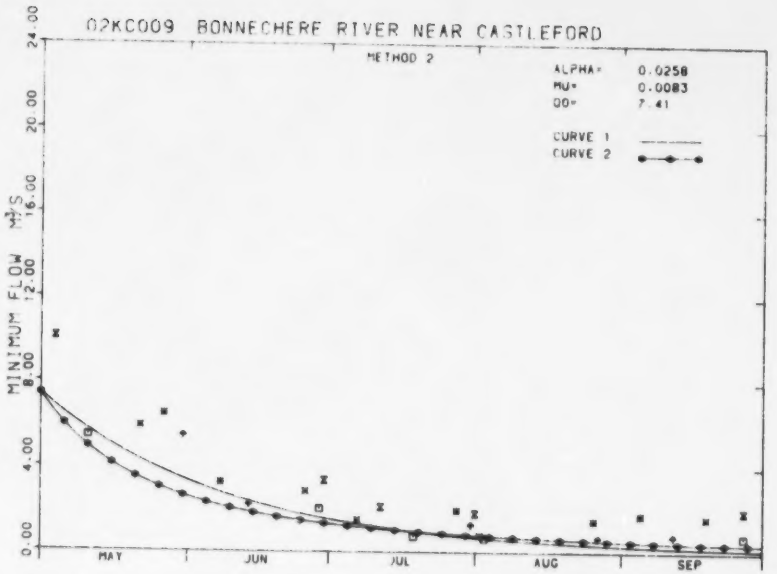
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.031	MAY	1977	31	.031
1977	JUN	17	.019	MAY	1975	26	.034
1977	JUL	26	.010	MAY	1972	28	.040
1977	AUG	3	.007	MAY	1980	31	.047
1977	SEP	10	.008	MAY	1971	31	.062
1979	MAY	31	.062	JUN	1979	26	.015
1979	JUN	26	.015	JUN	1978	30	.016
1979	JUL	17	.007	JUN	1977	17	.019
1979	AUG	22	.006	JUN	1973	27	.031
1979	SEP	8	.006	JUN	1972	20	.034
1978	MAY	30	.062	JUL	1979	17	.007
1978	JUN	30	.016	JUL	1978	19	.009
1978	JUL	19	.009	JUL	1973	30	.010
1978	AUG	22	.005	JUL	1977	26	.010
1978	SEP	7	.005	JUL	1975	26	.013
1975	MAY	26	.034	AUG	1973	23	.003
1975	JUN	30	.045	AUG	1974	26	.003
1975	JUL	26	.013	AUG	1975	23	.003
1975	AUG	23	.003	AUG	1978	22	.005
1975	SEP	7	.007	AUG	1979	22	.006
1972	MAY	28	.040	SEP	1973	3	.003
1972	JUN	20	.034	SEP	1978	7	.005
1972	JUL	31	.020	SEP	1972	22	.006
1972	AUG	31	.014	SEP	1979	8	.006
1972	SEP	22	.006	SEP	1975	7	.007

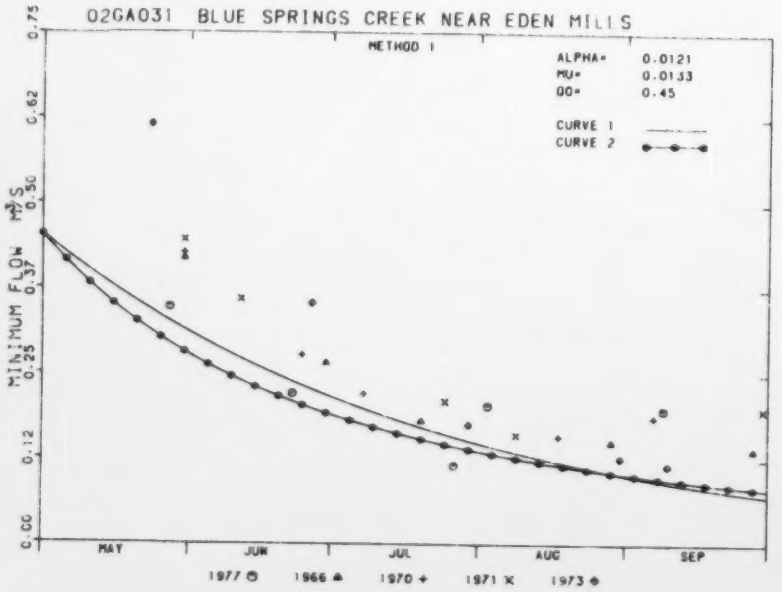
ALPHA= .0218 MU= .0962 QO= .05

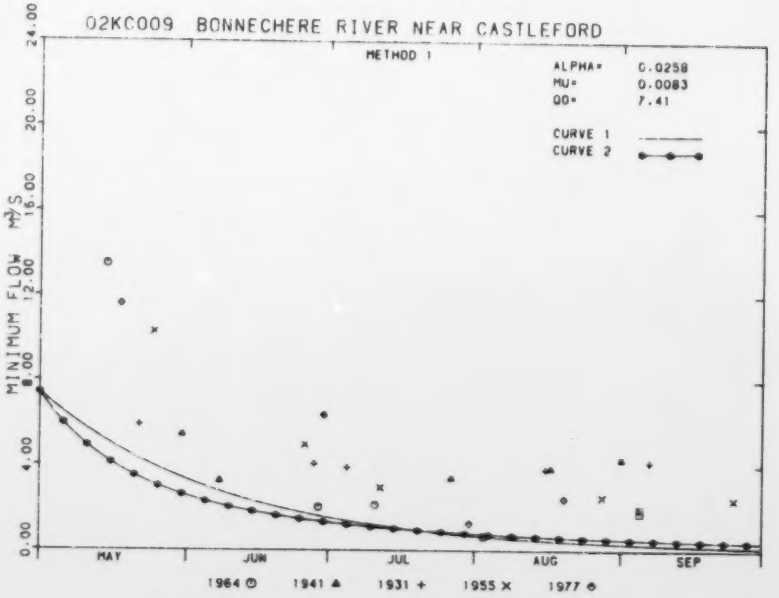
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	89.3	44.4	23.7	12.0	6.0	175.5	.90
CURVE 2	75.0	32.1	18.8	12.0	8.1	146.0	.75


02GA031 BLUE SPRINGS CREEK NEAR EDEN MILLS
METHOD 2
ALPHA= 0.0121
MU= 0.0133
QO= 0.45
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02KC009 BONNECHERE RIVER NEAR CASTLEFORD
METHOD 2
ALPHA= 0.0258
MU= 0.0083
QO= 7.41
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02GA031 BLUE SPRINGS CREEK NEAR EDEN MILLS
METHOD 1
ALPHA= 0.0121
MU= 0.0133
QO= 0.45
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1966 ▲ 1970 + 1971 X 1973 ◆


02KC009 BONNECHERE RIVER NEAR CASTLEFORD
METHOD 1
ALPHA= 0.0258
MU= 0.0083
QO= 7.41
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1964 ⊙ 1941 ▲ 1931 + 1955 X 1977 ◆

02GA031 BLUE SPRINGS CREEK NEAR EDEN MILLS

DRAINAGE AREA 44.5 SQ KM REGULATED

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	28	.348	MAY	1977	28	.348
1977	JUN	23	.221	MAY	1966	31	.419
1977	JUL	27	.116	MAY	1970	31	.428
1977	AUG	3	.204	MAY	1967	31	.447
1977	SEP	9	.198	MAY	1971	31	.447
1966	MAY	31	.419	JUN	1977	23	.221
1966	JUN	30	.266	JUN	1966	30	.266
1966	JUL	20	.181	JUN	1970	25	.278
1966	AUG	29	.150	JUN	1968	17	.311
1966	SEP	28	.139	JUN	1980	27	.342
1970	MAY	31	.428	JUL	1977	27	.116
1970	JUN	25	.278	JUL	1973	30	.176
1970	JUL	8	.221	JUL	1966	20	.181
1970	AUG	18	.159	JUL	1968	27	.187
1970	SEP	7	.187	JUL	1971	25	.210
1971	MAY	31	.447	AUG	1973	31	.127
1971	JUN	12	.360	AUG	1966	29	.150
1971	JUL	25	.210	AUG	1970	18	.159
1971	AUG	9	.161	AUG	1971	9	.161
1971	SEP	30	.198	AUG	1975	9	.167
1973	MAY	24	.614	SEP	1973	10	.116
1973	JUN	27	.354	SEP	1966	28	.139
1973	JUL	30	.176	SEP	1980	12	.158
1973	AUG	31	.127	SEP	1969	30	.159
1973	SEP	10	.116	SEP	1976	16	.176

ALPHA= .0121 MU= .0133 QO= .45

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1011.8	675.9	482.5	331.1	221.2	2722.4	6.12
CURVE 2	950.9	595.8	431.6	317.7	236.7	2532.7	5.69

02KC009 BONNECHERE RIVER NEAR CASTLEFORD

DRAINAGE AREA 2380 SQ KM REGULATED

PERIOD OF RECORD 1921-80

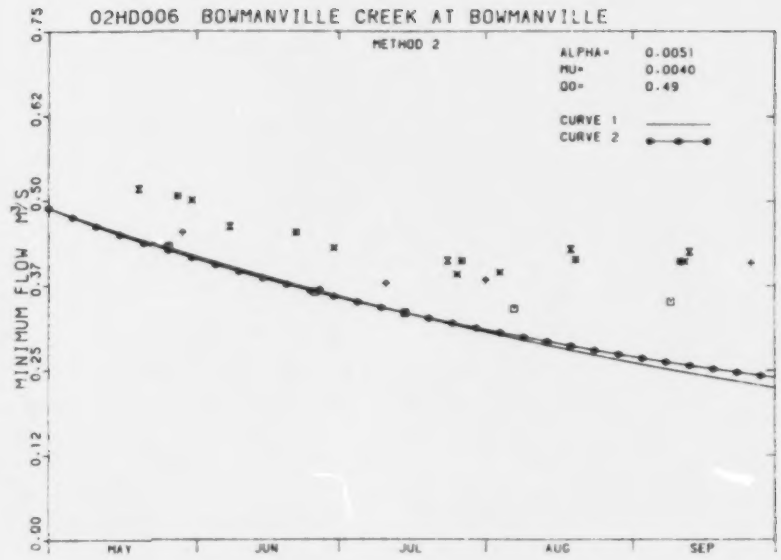
DISCHARGES IN CUBIC METRES PER SECOND

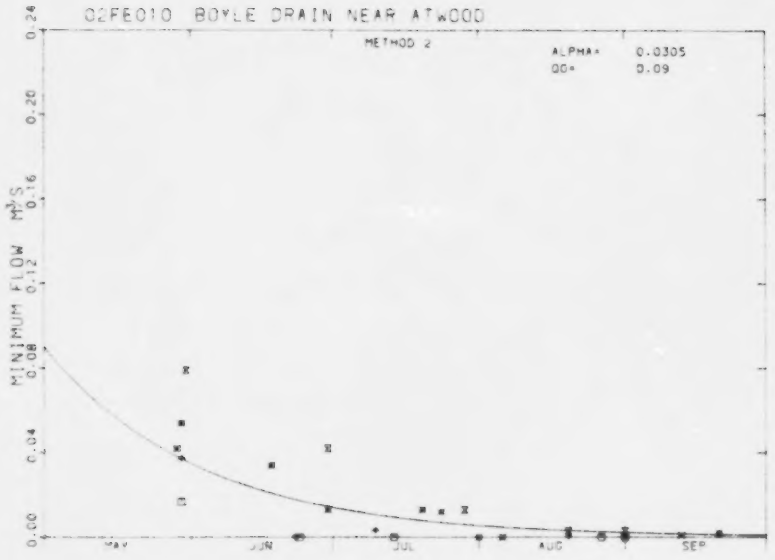
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	15	13.50	MAY	1930	11	5.44
1964	JUN	29	2.04	MAY	1941	31	5.44
1964	JUL	11	2.15	MAY	1931	22	5.92
1964	AUG	3	.67	MAY	1968	27	6.51
1964	SEP	5	1.77	MAY	1946	4	10.10
1941	MAY	31	5.44	JUN	1964	29	2.04
1941	JUN	8	3.26	JUN	1962	14	2.21
1941	JUL	27	3.40	JUN	1965	26	2.86
1941	AUG	17	3.85	JUN	1941	8	3.26
1941	SEP	1	4.28	JUN	1979	30	3.37
1931	MAY	22	5.92	JUL	1959	19	.74
1931	JUN	28	4.08	JUL	1977	31	1.28
1931	JUL	5	3.91	JUL	1979	7	1.52
1931	AUG	16	3.82	JUL	1965	28	1.96
1931	SEP	7	4.16	JUL	1953	12	2.12
1955	MAY	25	10.30	AUG	1964	3	.67
1955	JUN	26	4.98	AUG	1960	27	.68
1955	JUL	12	2.97	AUG	1959	2	.79
1955	AUG	28	2.52	AUG	1962	26	1.50
1955	SEP	25	2.41	AUG	1965	1	1.83
1977	MAY	18	11.60	SEP	1959	27	.74
1977	JUN	30	6.37	SEP	1960	12	.77
1977	JUL	31	1.28	SEP	1948	19	1.64
1977	AUG	20	2.45	SEP	1964	5	1.77
1977	SEP	5	2.00	SEP	1953	27	1.95

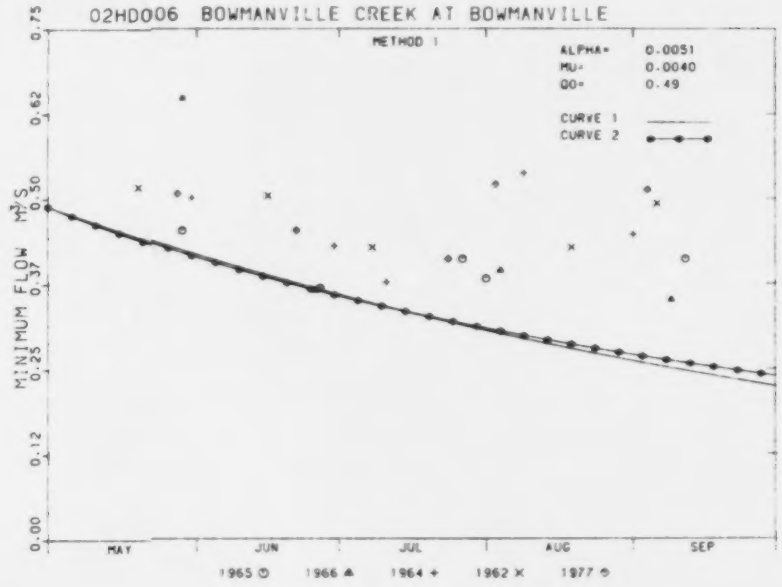
ALPHA= .0258 MU= .0083 QO= 7.41

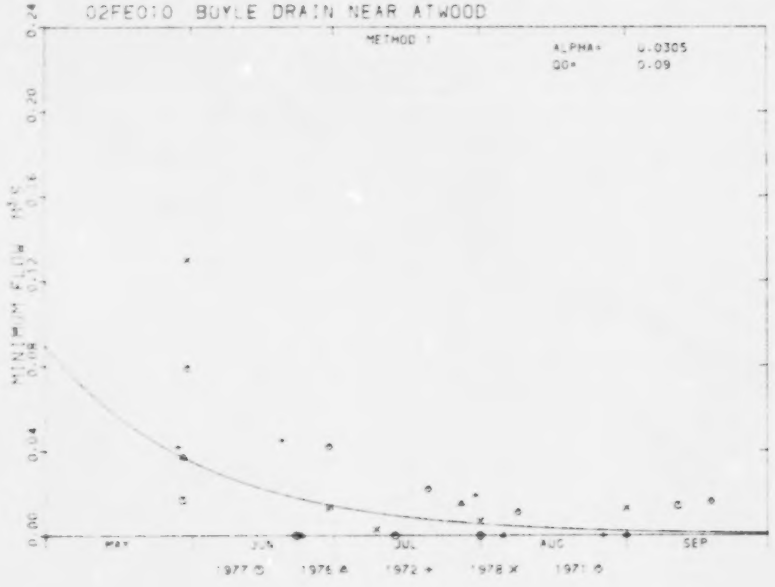
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	13651.2	6000.9	2826.2	1269.5	558.0	24305.8	1.02
CURVE 2	11676.3	4757.8	2717.1	1710.6	1143.8	22005.5	.92


02HD006 BOWMANVILLE CREEK AT BOWMANVILLE
METHOD 2
ALPHA= 0.0051
MU= 0.0040
QO= 0.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02FE010 BOYLE DRAIN NEAR ATWOOD
METHOD 2
ALPHA= 0.0305
QO= 0.09
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02HD006 BOWMANVILLE CREEK AT BOWMANVILLE
METHOD 1
ALPHA= 0.0051
MU= 0.0040
QO= 0.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1966 ▲ 1964 + 1962 × 1977 ⊕


02FE010 BOYLE DRAIN NEAR ATWOOD
METHOD 1
ALPHA= 0.0305
QO= 0.09
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1976 ▲ 1972 + 1978 × 1971 ⊕

02HD006 BOWMANVILLE CREEK AT BOWMANVILLE

DRAINAGE AREA 82.9 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	29	.453	MAY	1972	26	.433
1965	JUN	27	.368	MAY	1965	29	.453
1965	JUL	27	.411	MAY	1964	31	.501
1965	AUG	1	.382	MAY	1977	28	.507
1965	SEP	12	.411	MAY	1962	20	.518
1966	MAY	29	.648	JUN	1966	26	.365
1966	JUN	26	.365	JUN	1965	27	.368
1966	JUL	15	.334	JUN	1964	30	.430
1966	AUG	4	.394	JUN	1977	22	.453
1966	SEP	9	.351	JUN	1972	8	.462
1964	MAY	31	.501	JUL	1966	15	.334
1964	JUN	30	.430	JUL	1964	11	.377
1964	JUL	11	.377	JUL	1960	26	.391
1964	AUG	9	.538	JUL	1965	27	.411
1964	SEP	1	.447	JUL	1977	24	.411
1962	MAY	20	.518	AUG	1959	7	.340
1962	JUN	16	.504	AUG	1965	1	.382
1962	JUL	8	.428	AUG	1966	4	.394
1962	AUG	19	.428	AUG	1975	20	.413
1962	SEP	6	.493	AUG	1962	19	.428
1977	MAY	28	.507	SEP	1966	9	.351
1977	JUN	22	.453	SEP	1963	26	.408
1977	JUL	24	.411	SEP	1965	12	.411
1977	AUG	3	.521	SEP	1971	11	.411
1977	SEP	4	.513	SEP	1959	13	.425

ALPHA= .0051 MU= .0040 QO= .49

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1211.2	1003.5	887.8	758.2	628.2	4488.9	5.41
CURVE 2	1204.6	995.6	888.9	774.1	659.5	4522.6	5.46

02FE010 BOYLE DRAIN NEAR ATWOOD

DRAINAGE AREA 197 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-78

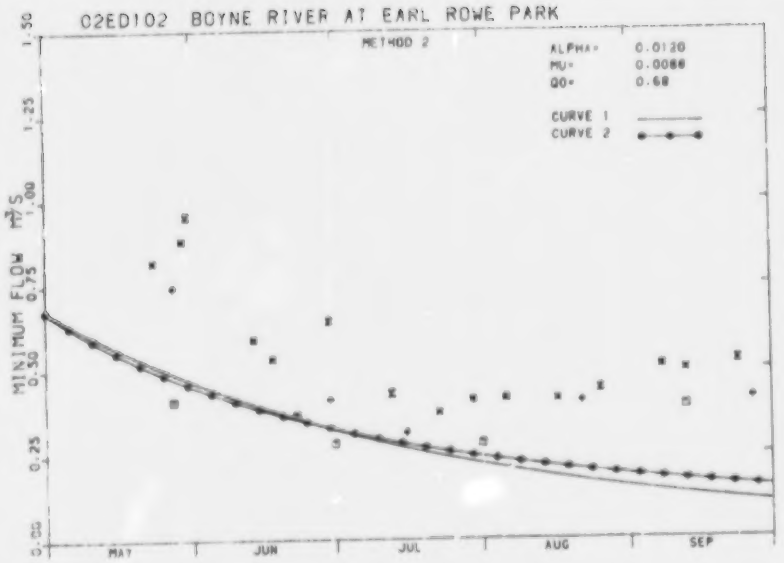
DISCHARGES IN CUBIC METRES PER SECOND

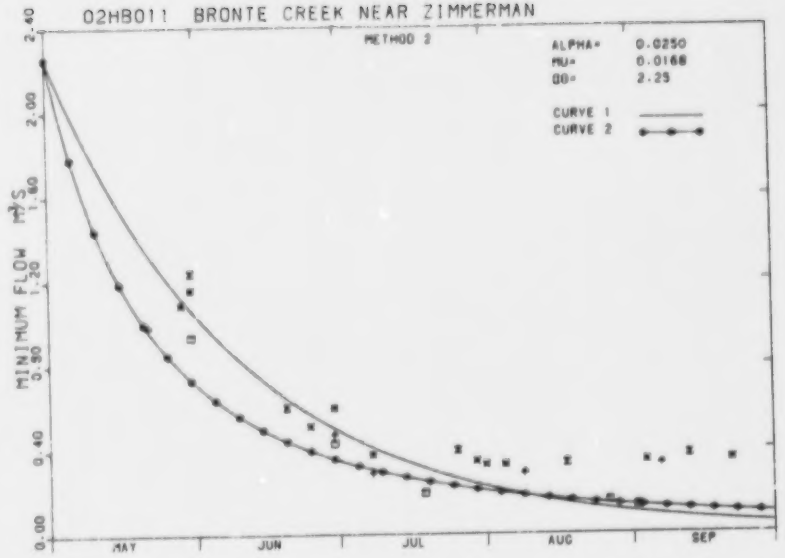
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	30	.017	MAY	1977	30	.017
1977	JUN	23	0.000	MAY	1976	30	.037
1977	JUL	14	0.000	MAY	1972	29	.042
1977	AUG	1	0.000	MAY	1975	30	.054
1977	SEP	12	.014	MAY	1971	31	.079
1976	MAY	30	.037	JUN	1976	24	0.000
1976	JUN	24	0.000	JUN	1977	23	0.000
1976	JUL	28	.015	JUN	1978	30	.013
1976	AUG	6	0.000	JUN	1968	18	.034
1976	SEP	1	0.000	JUN	1971	30	.042
1972	MAY	29	.042	JUL	1977	14	0.000
1972	JUN	20	.045	JUL	1978	10	.003
1972	JUL	31	.019	JUL	1973	24	.012
1972	AUG	27	0.000	JUL	1969	20	.013
1972	SEP	1	0.000	JUL	1974	29	.013
1978	MAY	31	.130	AUG	1972	27	0.000
1978	JUN	30	.013	AUG	1975	20	0.000
1978	JUL	10	.003	AUG	1976	6	0.000
1978	AUG	1	.007	AUG	1977	1	0.000
1978	SEP	1	.013	AUG	1974	20	.003
1971	MAY	31	.079	SEP	1972	1	0.000
1971	JUN	30	.042	SEP	1976	1	0.000
1971	JUL	21	.022	SEP	1973	13	.001
1971	AUG	9	.011	SEP	1969	21	.002
1971	SEP	19	.016	SEP	1974	1	.003

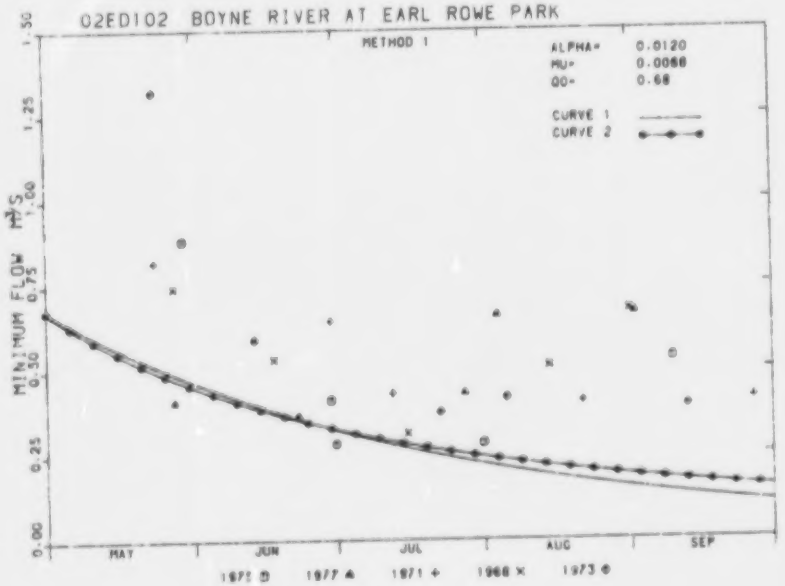
ALPHA= .0305 QO= .09

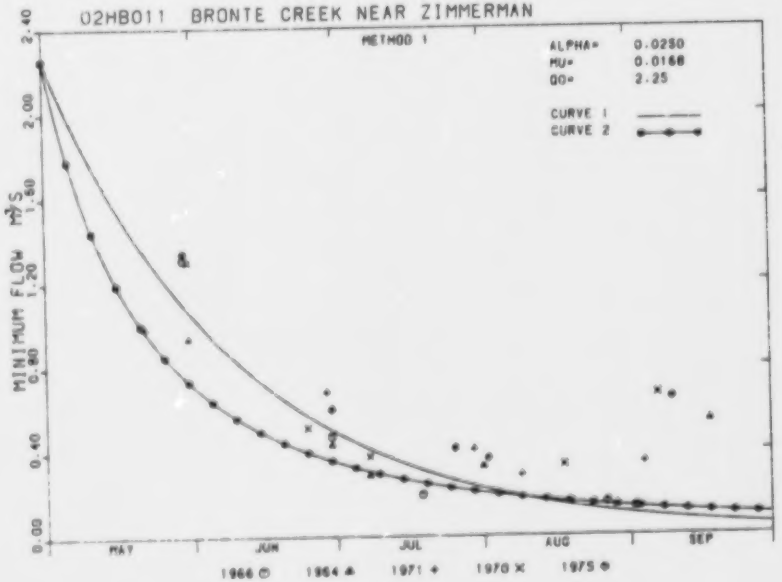
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.119	.008	.003	.004	.001


02ED102 BOYNE RIVER AT EARL ROWE PARK
METHOD 2
ALPHA= 0.0120
MU= 0.0066
QO= 0.68
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HB011 BRONTE CREEK NEAR ZIMMERMAN
METHOD 2
ALPHA= 0.0250
MU= 0.0168
QO= 2.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02ED102 BOYNE RIVER AT EARL ROWE PARK
METHOD 1
ALPHA= 0.0120
MU= 0.0066
QO= 0.68
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1972 ⊡ 1977 ▲ 1971 + 1968 × 1973 ⊕


02HB011 BRONTE CREEK NEAR ZIMMERMAN
METHOD 1
ALPHA= 0.0250
MU= 0.0168
QO= 2.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1966 ⊡ 1964 ▲ 1971 + 1970 × 1975 ⊕

02ED102 BOYNE RIVER AT EARL ROWE PARK

DRAINAGE AREA 211 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	30	.881	MAY	1977	28	.408
1975	JUN	30	.411	MAY	1968	28	.742
1975	JUL	1	.283	MAY	1971	24	.818
1975	AUG	1	.283	MAY	1975	30	.881
1975	SEP	10	.532	MAY	1980	31	.953
1977	MAY	28	.408	JUN	1977	23	.365
1977	JUN	23	.365	JUN	1975	30	.411
1977	JUL	28	.430	JUN	1968	18	.532
1977	AUG	4	.657	JUN	1973	14	.589
1977	SEP	2	.665	JUN	1971	30	.643
1971	MAY	24	.818	JUL	1975	1	.283
1971	JUN	30	.643	JUL	1968	16	.314
1971	JUL	13	.430	JUL	1973	23	.374
1971	AUG	22	.405	JUL	1978	30	.411
1971	SEP	27	.413	JUL	1971	13	.430
1968	MAY	28	.742	AUG	1975	1	.283
1968	JUN	18	.532	AUG	1971	22	.405
1968	JUL	16	.314	AUG	1970	17	.413
1968	AUG	15	.510	AUG	1973	6	.416
1968	SEP	1	.674	AUG	1974	26	.442
1973	MAY	24	1.320	SEP	1973	13	.391
1973	JUN	14	.589	SEP	1971	27	.413
1973	JUL	23	.374	SEP	1970	13	.498
1973	AUG	6	.416	SEP	1969	8	.510
1973	SEP	13	.391	SEP	1972	24	.524

ALPHA= .0120 MU= .0088 QO= .68

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1509.4	1011.7	724.6	499.1	334.5	4079.3	1.93
CURVE 2	1477.8	993.2	754.8	576.0	440.8	4242.6	2.01

02HB011 BRONTE CREEK NEAR ZIMMERMAN

DRAINAGE AREA 235 SQ KM REGULATED

PERIOD OF RECORD 1963-80

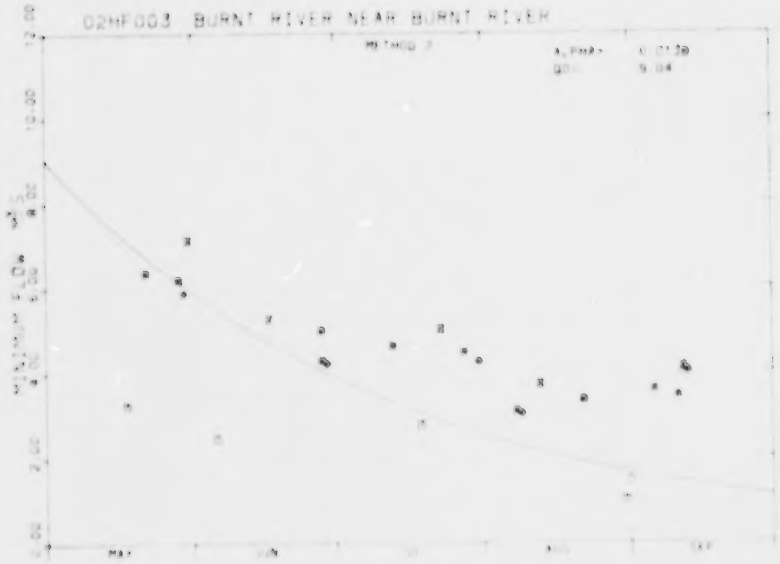
DISCHARGES IN CUBIC METRES PER SECOND

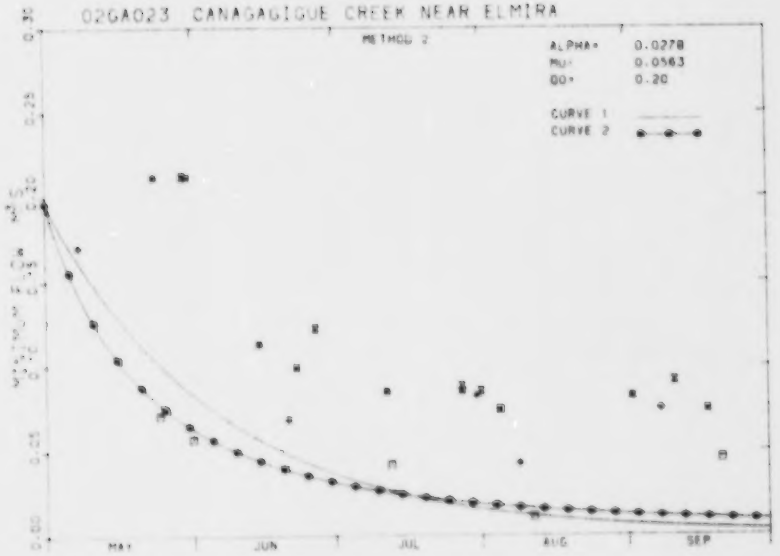
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	30	1.31	MAY	1964	31	.94
1966	JUN	30	.47	MAY	1971	22	.98
1966	JUL	19	.20	MAY	1972	29	1.09
1966	AUG	27	.16	MAY	1977	31	1.16
1966	SEP	2	.13	MAY	1967	31	1.24
1964	MAY	31	.94	JUN	1964	30	.43
1964	JUN	30	.43	JUN	1966	30	.47
1964	JUL	8	.29	JUN	1970	25	.52
1964	AUG	1	.33	JUN	1975	30	.60
1964	SEP	18	.54	JUN	1972	20	.60
1971	MAY	22	.98	JUL	1966	19	.20
1971	JUN	29	.68	JUL	1964	8	.29
1971	JUL	30	.41	JUL	1968	30	.35
1971	AUG	9	.29	JUL	1970	8	.38
1971	SEP	4	.35	JUL	1978	26	.40
1970	MAY	31	1.30	AUG	1966	27	.16
1970	JUN	25	.52	AUG	1971	9	.29
1970	JUL	8	.38	AUG	1964	1	.33
1970	AUG	18	.33	AUG	1968	5	.33
1970	SEP	7	.67	AUG	1970	18	.33
1975	MAY	30	1.34	SEP	1966	2	.13
1975	JUN	30	.60	SEP	1967	7	.33
1975	JUL	26	.41	SEP	1971	4	.35
1975	AUG	2	.37	SEP	1969	22	.35
1975	SEP	10	.65	SEP	1973	13	.37

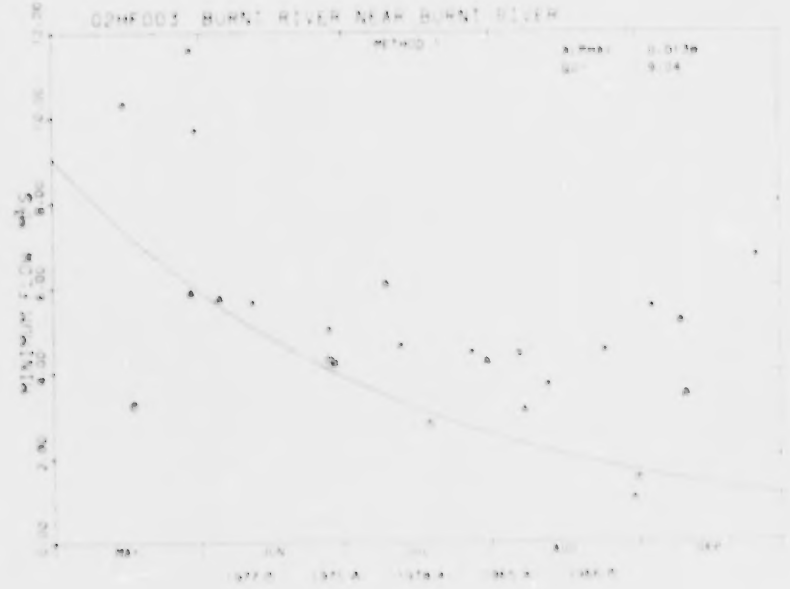
ALPHA= .0250 MU= .0168 QO= 2.25

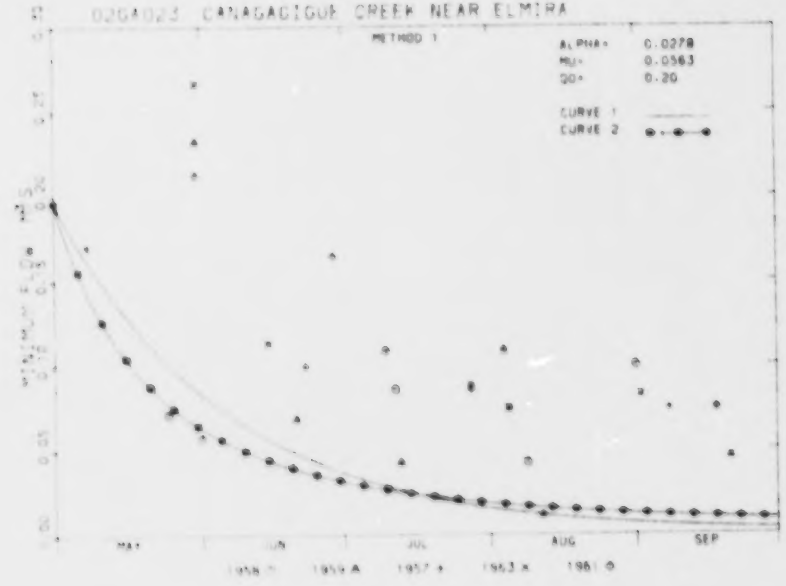
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	4200.1	1892.8	913.7	420.9	189.7	7617.1	3.24
CURVE 2	3391.8	1295.3	718.8	445.0	294.4	6145.2	2.61


02HF003 BURNT RIVER NEAR BURNT RIVER
METHOD 2
ALPHA= 0.0139
QO= 9.04
MAY
JUN
JUL
AUG
SEP


02GA023 CANAGAGIGUE CREEK NEAR ELMIRA
METHOD 2
ALPHA= 0.0278
MU= 0.0563
QO= 0.20
CURVE 1
CURVE 2
MAY
JUN
JUL
AUG
SEP


02HF003 BURNT RIVER NEAR BURNT RIVER
METHOD 1
ALPHA= 0.0139
QO= 9.04
MAY
JUN
AUG


02GA023 CANAGAGIGUE CREEK NEAR ELMIRA
METHOD 1
ALPHA= 0.0278
MU= 0.0563
QO= 0.20
CURVE 1
CURVE 2
MAY
JUN
JUL
AUG
SEP

02HF003 BURNT RIVER NEAR BURNT RIVER

DRAINAGE AREA 1270 SQ KM REGULATED

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	18	3.23	MAY	1977	18	3.23
1977	JUN	28	4.28	MAY	1975	30	5.86
1977	JUL	19	2.77	MAY	1968	29	6.20
1977	AUG	31	.99	MAY	1971	22	6.37
1977	SEP	1	1.48	MAY	1980	31	7.14
1975	MAY	30	5.86	JUN	1976	6	2.47
1975	JUN	9	5.72	JUN	1965	29	4.19
1975	JUL	31	4.22	JUN	1977	28	4.28
1975	AUG	8	3.09	JUN	1966	28	4.98
1975	SEP	11	3.43	JUN	1970	17	5.77
1978	MAY	31	9.71	JUL	1977	19	2.77
1978	JUN	12	5.64	JUL	1975	31	4.22
1978	JUL	28	4.47	JUL	1978	28	4.47
1978	AUG	13	3.71	JUL	1965	13	4.62
1978	SEP	26	6.71	JUL	1979	23	5.01
1969	MAY	30	11.60	AUG	1977	31	.99
1969	JUN	29	4.19	AUG	1974	9	3.00
1969	JUL	13	4.62	AUG	1975	8	3.09
1969	AUG	25	4.30	AUG	1980	22	3.34
1969	SEP	4	9.92	AUG	1978	13	3.71
1966	MAY	16	10.30	SEP	1977	1	1.48
1966	JUN	28	4.98	SEP	1975	11	3.43
1966	JUL	10	6.06	SEP	1974	6	3.60
1966	AUG	7	4.42	SEP	1964	13	4.02
1966	SEP	10	9.19	SEP	1973	12	4.11

ALPHA= .0138 QO= 9.04

02GA023 CANAGAGIGUE CREEK NEAR ELMIRA

DRAINAGE AREA 118 SQ KM REGULATED

PERIOD OF RECORD 1956-80

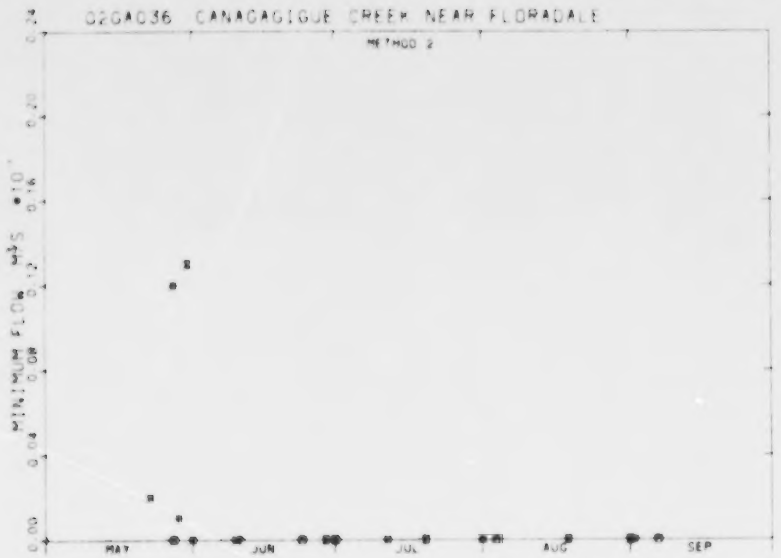
DISCHARGES IN CUBIC METRES PER SECOND

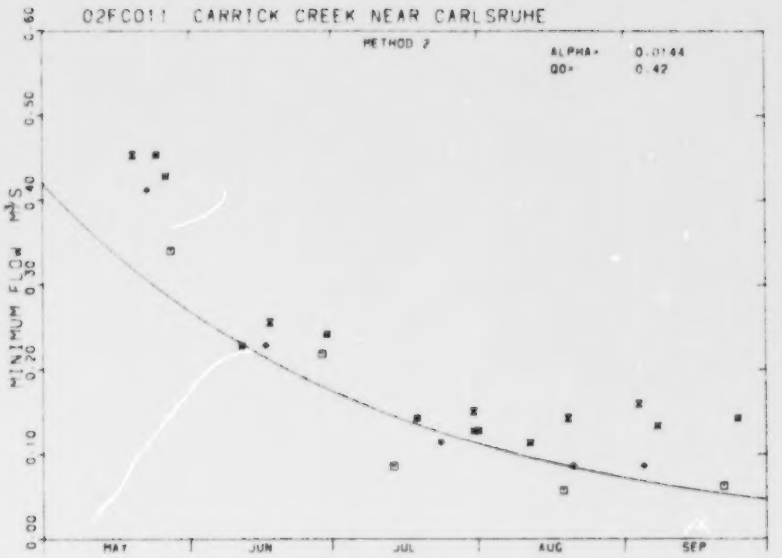
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	25	.071	MAY	1958	25	.071
1958	JUN	1	.057	MAY	1957	8	.170
1958	JUL	12	.085	MAY	1961	31	.212
1958	AUG	9	.042	MAY	1964	24	.212
1958	SEP	1	.099	MAY	1975	30	.212
1959	MAY	31	.232	JUN	1958	1	.057
1959	JUN	21	.068	JUN	1959	21	.068
1959	JUL	13	.042	JUN	1957	23	.099
1959	AUG	12	.011	JUN	1963	15	.113
1959	SEP	21	.045	JUN	1965	27	.122
1957	MAY	8	.170	JUL	1959	13	.042
1957	JUN	23	.099	JUL	1966	31	.082
1957	JUL	28	.085	JUL	1957	28	.085
1957	AUG	5	.074	JUL	1958	12	.085
1957	SEP	8	.074	JUL	1963	28	.088
1963	MAY	31	.266	AUG	1959	12	.011
1963	JUN	15	.113	AUG	1958	9	.042
1963	JUL	28	.088	AUG	1957	5	.074
1963	AUG	5	.074	AUG	1963	5	.074
1963	SEP	2	.082	AUG	1966	1	.085
1961	MAY	31	.212	SEP	1959	21	.045
1961	JUN	29	.164	SEP	1957	8	.074
1961	JUL	10	.108	SEP	1961	10	.074
1961	AUG	4	.108	SEP	1963	2	.082
1961	SEP	10	.074	SEP	1960	11	.091

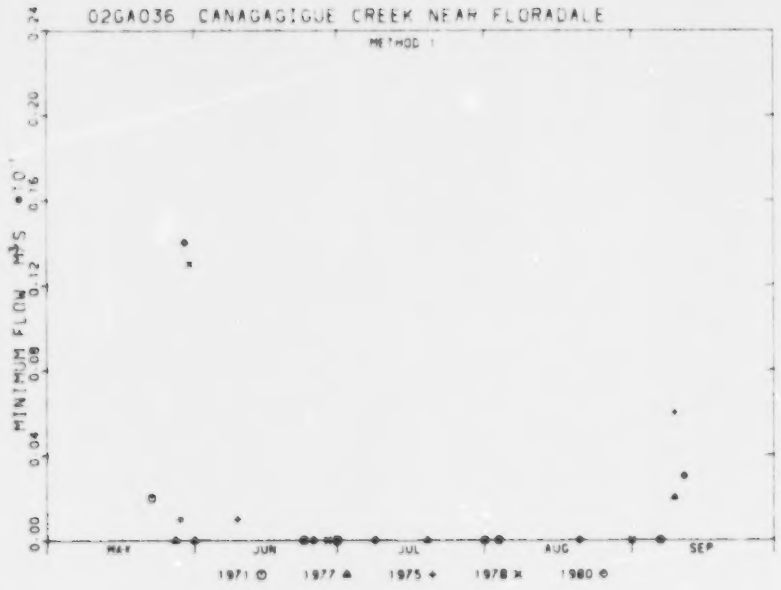
ALPHA= .0278 MU= .0563 QO= .20

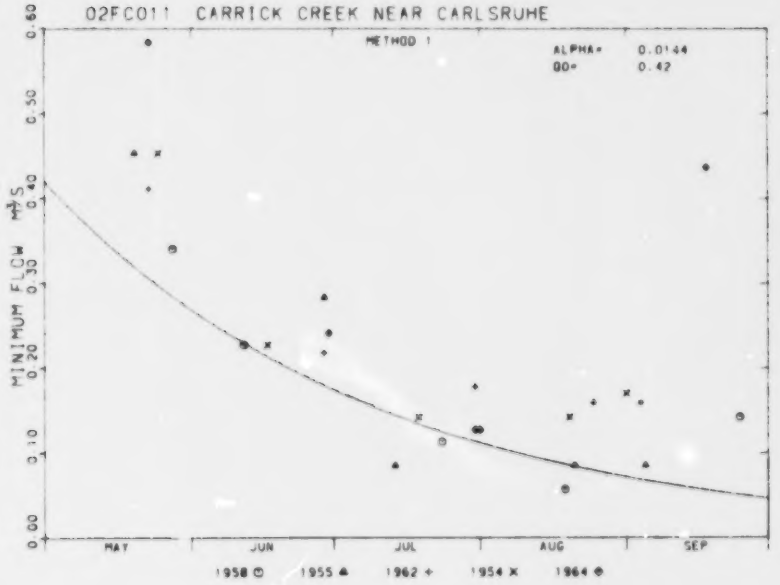
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	352.0	149.6	64.7	27.4	11.3	601.2	.51
CURVE 2	296.2	113.8	63.3	39.2	26.0	538.6	.46


02GA036 CANAGAGIGUE CREEK NEAR FLORADALE
METHOD 2
MINIMUM FLOW M³/S *10
MAY
JUN
JUL
AUG
SEP


02FC011 CARRICK CREEK NEAR CARLSRUHE
METHOD 2
ALPHA= 0.0144
QO= 0.42
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GA036 CANAGAGIGUE CREEK NEAR FLORADALE
METHOD 1
MINIMUM FLOW M³/S *10
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1977 ▲ 1975 + 1978 X 1980 ⊕


02FC011 CARRICK CREEK NEAR CARLSRUHE
METHOD 1
ALPHA= 0.0144
QO= 0.42
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1958 ⊙ 1955 ▲ 1962 + 1954 X 1964 ⊕

02GA036 CANAGAGIGUE CREEK NEAR FLORADALE

DRAINAGE AREA 17.9 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	.002	MAY	1977	28	0.000
1971	JUN	24	0.000	MAY	1975	29	.001
1971	JUL	1	0.000	MAY	1971	23	.002
1971	AUG	4	0.000	MAY	1972	28	.012
1971	SEP	7	0.000	MAY	1978	31	.013
1972	MAY	28	0.000	JUN	1971	24	0.000
1972	JUN	1	0.000	JUN	1973	11	0.000
1972	JUL	20	0.000	JUN	1976	10	0.000
1972	AUG	1	0.000	JUN	1977	1	0.000
1972	SEP	10	.002	JUN	1978	29	0.000
1973	MAY	29	.001	JUL	1971	1	0.000
1973	JUN	10	.001	JUL	1973	1	0.000
1973	JUL	1	0.000	JUL	1974	12	0.000
1973	AUG	1	0.000	JUL	1975	1	0.000
1973	SEP	10	.006	JUL	1977	20	0.000
1974	MAY	31	.013	AUG	1971	4	0.000
1974	JUN	29	0.000	AUG	1973	1	0.000
1974	JUL	1	0.000	AUG	1974	1	0.000
1974	AUG	1	0.000	AUG	1975	1	0.000
1974	SEP	1	0.000	AUG	1976	19	0.000
1980	MAY	30	.014	SEP	1971	7	0.000
1980	JUN	26	0.000	SEP	1973	1	0.000
1980	JUL	9	0.000	SEP	1974	1	0.000
1980	AUG	21	0.000	SEP	1976	7	0.000
1980	SEP	12	.003	SEP	1978	1	0.000

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.010	.001	0.000	0.000	0.000

02FC011 CARRICK CREEK NEAR CARLSRUHE

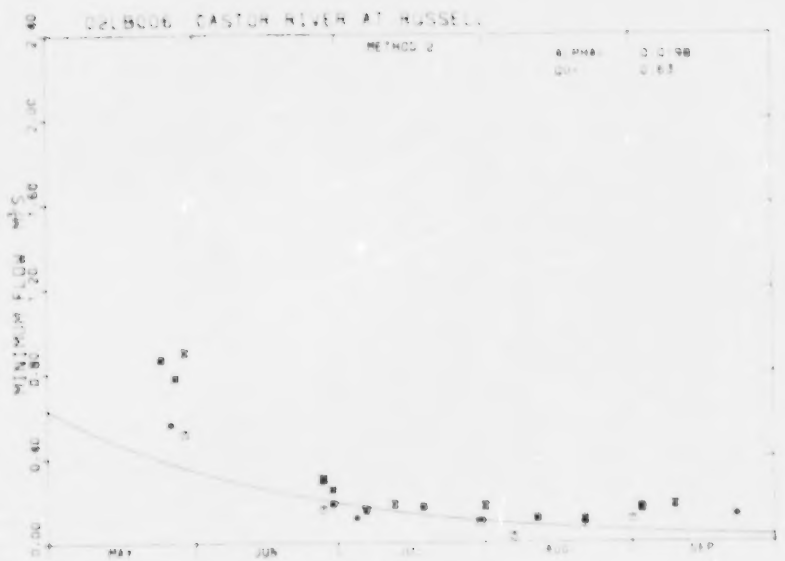
DRAINAGE AREA 163 SQ KM NATURAL FLOW

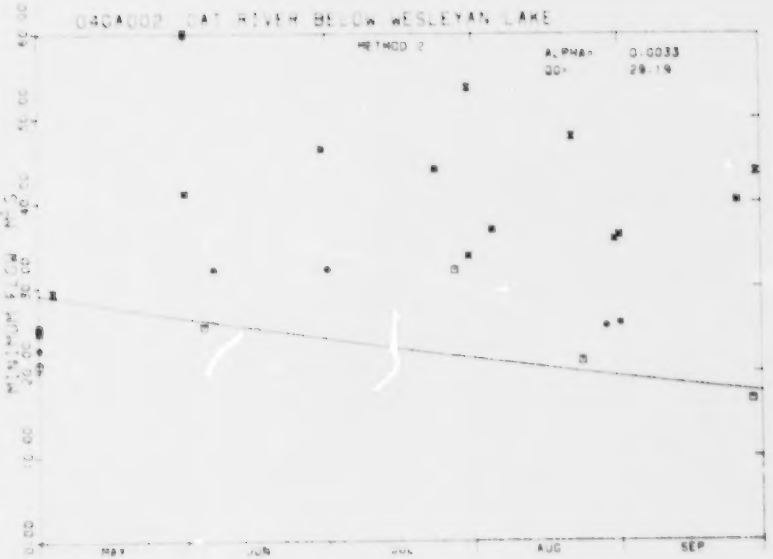
PERIOD OF RECORD 1953-80

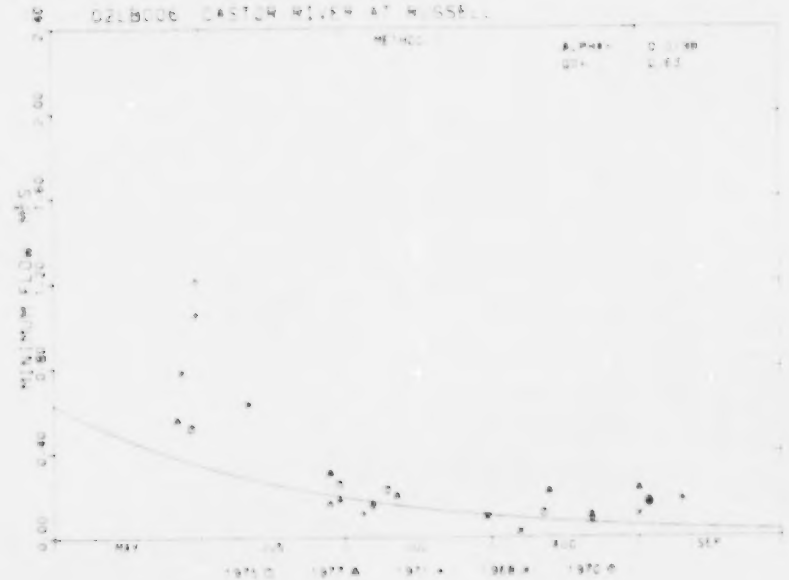
DISCHARGES IN CUBIC METRES PER SECOND

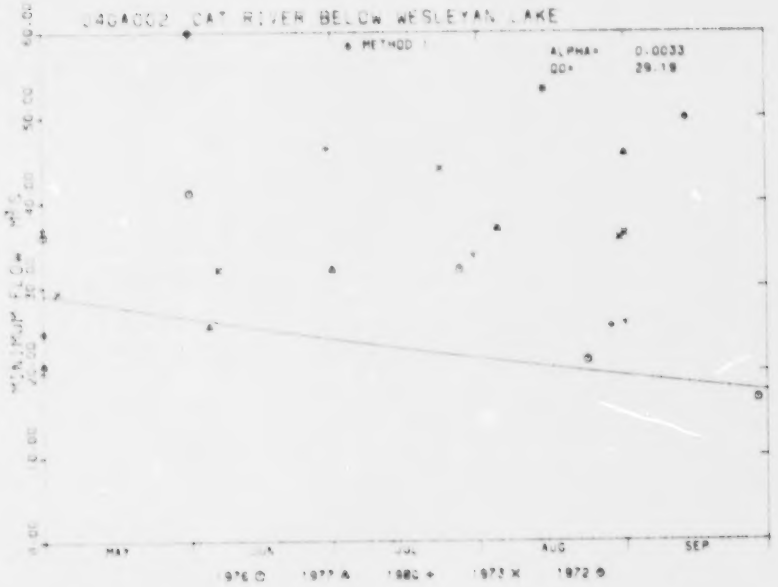
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	28	.340	MAY	1958	28	.340
1958	JUN	12	.227	MAY	1962	23	.411
1958	JUL	24	.113	MAY	1977	27	.428
1958	AUG	19	.057	MAY	1954	29	.493
1958	SEP	23	.142	MAY	1955	20	.493
1955	MAY	20	.453	JUN	1962	29	.216
1955	JUN	29	.283	JUN	1954	17	.227
1955	JUL	14	.085	JUN	1958	12	.227
1955	AUG	21	.085	JUN	1964	30	.241
1955	SEP	5	.085	JUN	1956	18	.255
1962	MAY	23	.411	JUL	1955	14	.085
1962	JUN	29	.218	JUL	1958	24	.113
1962	JUL	31	.170	JUL	1964	31	.127
1962	AUG	25	.159	JUL	1954	19	.142
1962	SEP	4	.159	JUL	1966	31	.190
1954	MAY	25	.453	AUG	1958	19	.057
1954	JUN	17	.227	AUG	1955	21	.085
1954	JUL	19	.142	AUG	1956	12	.113
1954	AUG	20	.142	AUG	1964	1	.127
1954	SEP	1	.170	AUG	1954	20	.142
1964	MAY	23	.983	SEP	1979	22	.062
1964	JUN	30	.241	SEP	1955	5	.085
1964	JUL	31	.127	SEP	1973	8	.133
1964	AUG	1	.127	SEP	1958	29	.142
1964	SEP	18	.436	SEP	1962	4	.159

ALPHA= .0144 BB= .42


02LB006 CASTOR RIVER AT RUSSELL
METHOD 2
ALPHA= 0.0198
QO= 0.63
MINIMUM FLOW m3/s
MAY
JUN
AUG
SEP


040A002 CAT RIVER BELOW WESLEYAN LAKE
METHOD 2
ALPHA= 0.0033
QO= 29.19
MINIMUM FLOW m3/s
MAY
JUN
AUG
SEP


02LB006 CASTOR RIVER AT RUSSELL
MINIMUM FLOW m3/s
MAY
AUG
SEP
1971 1977 1978 1979


040A002 CAT RIVER BELOW WESLEYAN LAKE
METHOD 1
ALPHA= 0.0033
QO= 29.19
MINIMUM FLOW m3/s
MAY
AUG
SEP
1976 1977 1980 1973 1972

02LB006 CASTOR RIVER AT RUSSELL

DRAINAGE AREA 433 SQ KM NATURAL FLOW

PERIOD OF RECORD 1948-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	30	.515	MAY	1975	30	.515
1975	JUN	30	.249	MAY	1977	27	.555
1975	JUL	10	.224	MAY	1968	28	.779
1975	AUG	12	.113	MAY	1979	25	.865
1975	SEP	3	.167	MAY	1972	30	.898
1977	MAY	27	.555	JUN	1970	28	.156
1977	JUN	28	.303	JUN	1971	30	.176
1977	JUL	12	.195	JUN	1975	30	.249
1977	AUG	13	.215	JUN	1980	28	.293
1977	SEP	1	.227	JUN	1977	28	.303
1971	MAY	31	1.030	JUL	1968	31	.096
1971	JUN	30	.176	JUL	1971	5	.113
1971	JUL	5	.113	JUL	1970	7	.150
1971	AUG	22	.110	JUL	1979	19	.168
1971	SEP	10	.178	JUL	1978	13	.181
1968	MAY	28	.779	AUG	1968	7	.028
1968	JUN	11	.631	AUG	1970	22	.088
1968	JUL	31	.096	AUG	1971	22	.110
1968	AUG	7	.028	AUG	1975	12	.113
1968	SEP	1	.105	AUG	1979	1	.172
1970	MAY	31	1.910	SEP	1968	1	.108
1970	JUN	28	.156	SEP	1969	23	.125
1970	JUL	7	.150	SEP	1970	3	.156
1970	AUG	22	.088	SEP	1975	3	.167
1970	SEP	3	.156	SEP	1971	10	.178

ALPHA= .0196 QO= .63

04GA002 CAT RIVER BELOW WESLEYAN LAKE

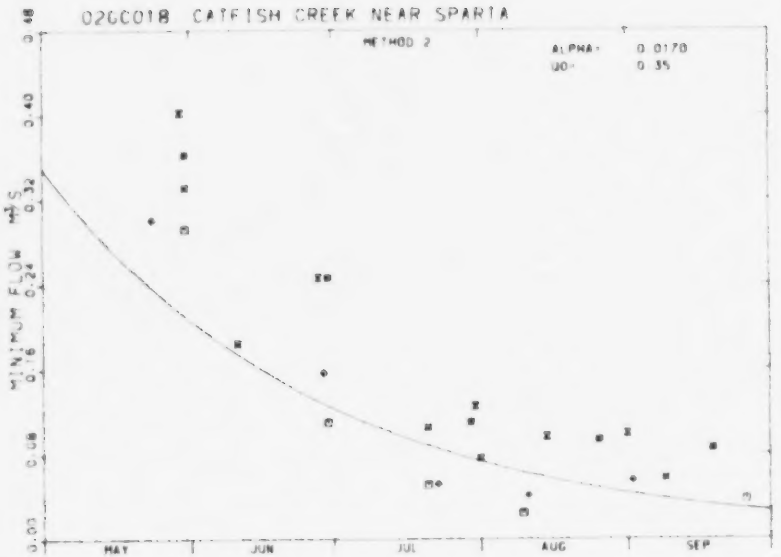
DRAINAGE AREA 5390 SQ KM NATURAL FLOW

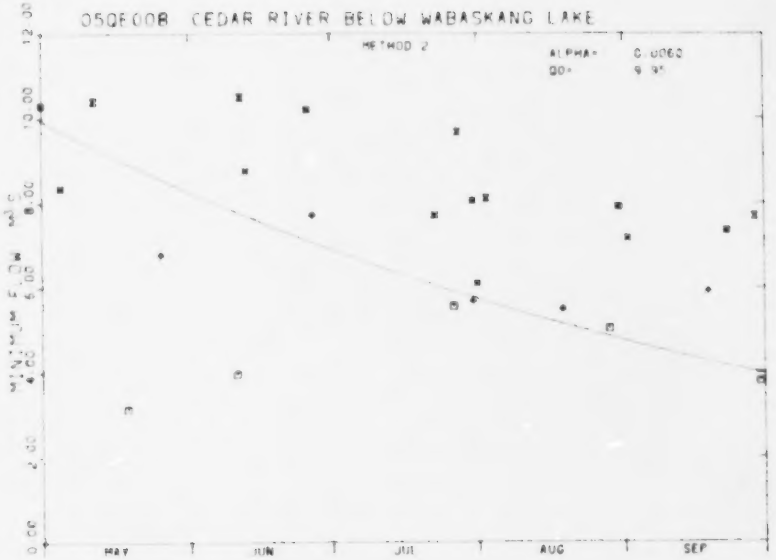
PERIOD OF RECORD 1970-80

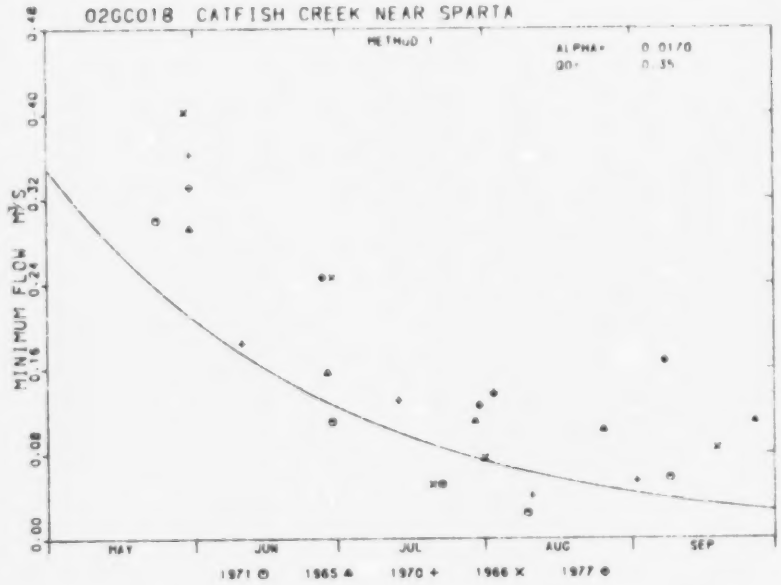
DISCHARGES IN CUBIC METRES PER SECOND

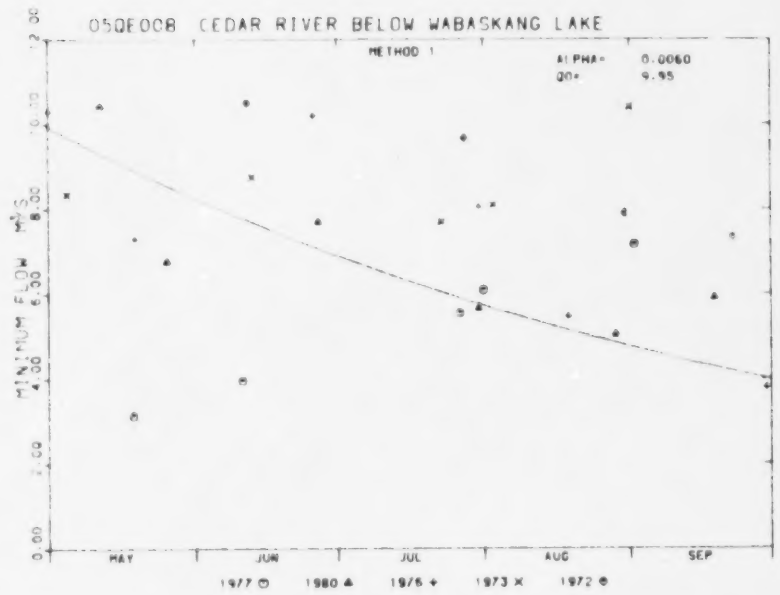
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	1	36.00	MAY	1977	1	20.80
1976	JUN	1	41.10	MAY	1978	1	22.60
1976	JUL	28	32.60	MAY	1972	1	24.60
1976	AUG	24	21.30	MAY	1975	1	25.30
1976	SEP	29	16.70	MAY	1973	4	29.40
1977	MAY	1	20.80	JUN	1977	5	25.30
1977	JUN	5	25.30	JUN	1973	7	32.00
1977	JUL	1	32.00	JUN	1976	1	41.10
1977	AUG	5	36.80	JUN	1980	30	46.30
1977	SEP	1	45.60	JUN	1972	1	60.00
1980	MAY	1	36.90	JUL	1976	28	32.00
1980	JUN	30	46.30	JUL	1977	1	32.00
1980	JUL	31	33.70	JUL	1980	31	33.70
1980	AUG	29	23.30	JUL	1973	24	43.90
1980	SEP	1	25.70	JUL	1979	31	53.60
1973	MAY	4	29.40	AUG	1976	24	21.30
1973	JUN	7	32.00	AUG	1980	29	25.30
1973	JUL	24	43.90	AUG	1973	31	35.70
1973	AUG	31	35.70	AUG	1977	5	36.80
1973	SEP	1	36.20	AUG	1979	22	47.80
1972	MAY	1	24.60	SEP	1976	29	16.70
1972	JUN	1	60.00	SEP	1980	1	25.70
1972	JUL	5	58.30	SEP	1973	1	36.20
1972	AUG	15	53.20	SEP	1971	26	40.20
1972	SEP	14	49.80	SEP	1975	30	43.60

ALPHA= .0033 QO= 29.19


02GC018 CATFISH CREEK NEAR SPARTA
METHOD 2
ALPHA= 0.0170
Q0= 0.35
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


05QE00B CEDAR RIVER BELOW WABASKANG LAKE
METHOD 2
ALPHA= 0.0060
Q0= 9.95
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02GC018 CATFISH CREEK NEAR SPARTA
METHOD 1
ALPHA= 0.0170
Q0= 0.35
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1965 ▲ 1970 + 1966 × 1977 ⊕


05QE00B CEDAR RIVER BELOW WABASKANG LAKE
METHOD 1
ALPHA= 0.0060
Q0= 9.95
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1980 ▲ 1976 + 1973 × 1972 ⊕

02GC010 CATFISH CREEK NEAR SPARTA

DRAINAGE AREA 287 SQ KM NATURAL FLOW

PERIOD OF RECORD 1964-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	24	.300	MAY	1965	31	.292
1971	JUN	30	.110	MAY	1971	24	.300
1971	JUL	23	.051	MAY	1977	31	.331
1971	AUG	10	.024	MAY	1970	31	.362
1971	SEP	9	.057	MAY	1966	30	.402
1965	MAY	31	.292	JUN	1971	30	.110
1965	JUN	29	.156	JUN	1965	29	.156
1965	JUL	30	.110	JUN	1970	11	.184
1965	AUG	26	.102	JUN	1966	30	.246
1965	SEP	27	.110	JUN	1977	28	.246
1970	MAY	31	.362	JUL	1966	21	.051
1970	JUN	11	.184	JUL	1971	23	.051
1970	JUL	14	.130	JUL	1978	21	.109
1970	AUG	11	.040	JUL	1965	30	.110
1970	SEP	2	.054	JUL	1977	31	.125
1966	MAY	30	.402	AUG	1971	10	.024
1966	JUN	30	.246	AUG	1970	11	.040
1966	JUL	21	.051	AUG	1966	1	.076
1966	AUG	1	.076	AUG	1974	26	.093
1966	SEP	19	.085	AUG	1978	15	.096
1977	MAY	31	.331	SEP	1978	26	.037
1977	JUN	28	.246	SEP	1970	2	.054
1977	JUL	31	.125	SEP	1971	9	.057
1977	AUG	3	.136	SEP	1966	19	.085
1977	SEP	8	.167	SEP	1974	1	.099

ALPHA= .0170 QO= .35

05QEC06 CEDAR RIVER BELOW WABASKANG LAKE

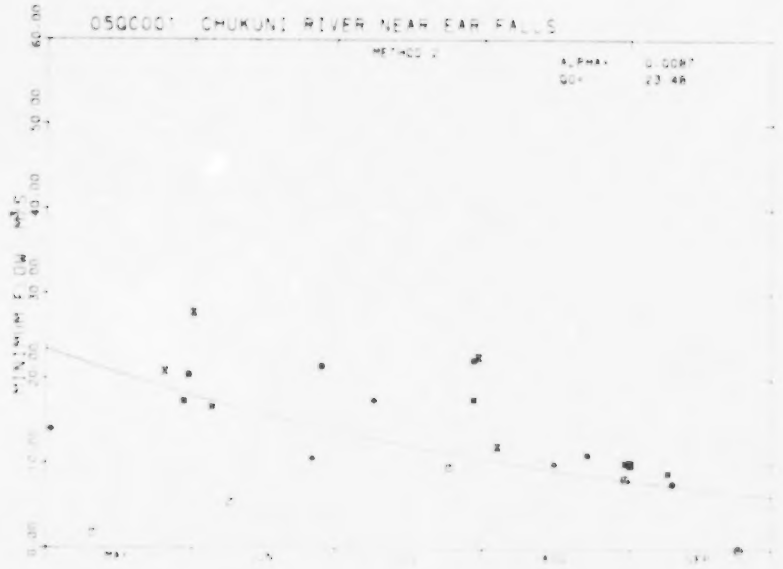
DRAINAGE AREA 1690 SQ KM NATURAL FLOW

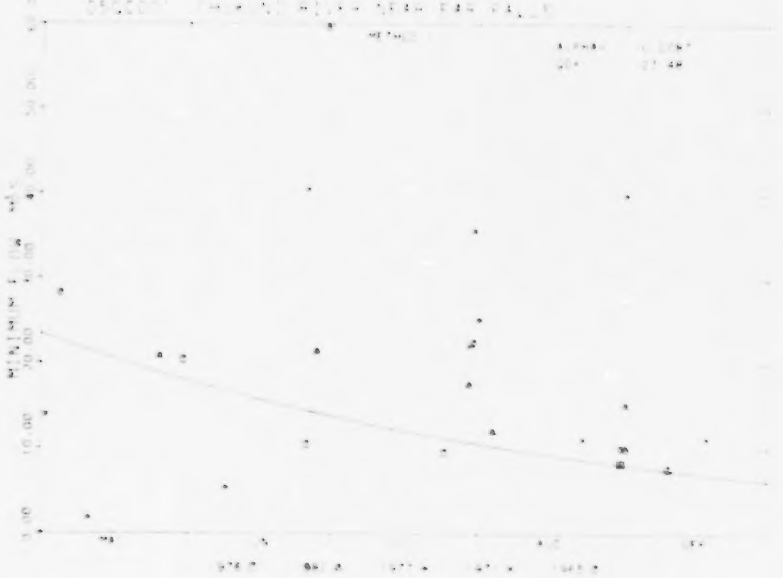
PERIOD OF RECORD 1946-80

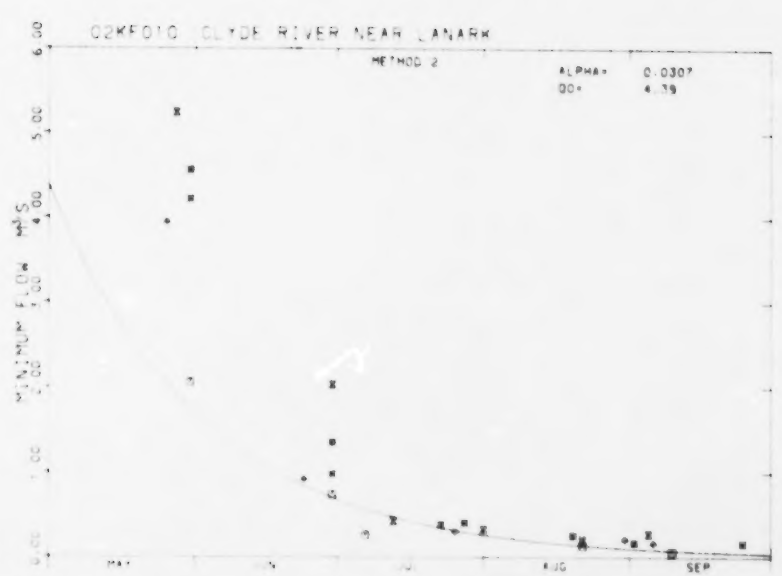
DISCHARGES IN CUBIC METRES PER SECOND

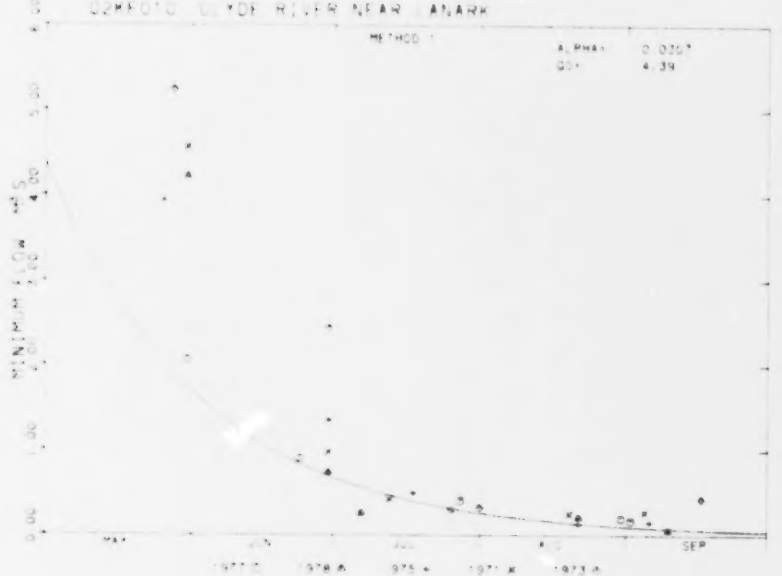
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	19	3.14	MAY	1977	19	3.14
1977	JUN	11	3.96	MAY	1980	26	6.76
1977	JUL	27	5.55	MAY	1973	5	8.35
1977	AUG	1	6.09	MAY	1976	1	10.30
1977	SEP	2	7.16	MAY	1972	12	10.40
1980	MAY	26	6.76	JUN	1977	11	3.96
1980	JUN	27	7.69	JUN	1980	27	7.69
1980	JUL	31	5.66	JUN	1973	13	8.75
1980	AUG	29	5.03	JUN	1976	26	10.20
1980	SEP	19	5.90	JUN	1972	12	10.50
1976	MAY	1	10.30	JUL	1977	27	5.55
1976	JUN	26	10.20	JUL	1980	31	5.66
1976	JUL	31	8.04	JUL	1973	23	7.70
1976	AUG	19	5.47	JUL	1976	31	8.04
1976	SEP	30	3.79	JUL	1972	28	9.66
1973	MAY	5	8.35	AUG	1980	29	5.03
1973	JUN	13	8.75	AUG	1976	19	5.47
1973	JUL	23	7.70	AUG	1977	1	6.09
1973	AUG	3	8.10	AUG	1972	31	7.90
1973	SEP	1	10.40	AUG	1973	3	8.10
1972	MAY	12	10.40	SEP	1976	30	3.79
1972	JUN	12	10.50	SEP	1980	19	5.90
1972	JUL	28	9.66	SEP	1977	2	7.16
1972	AUG	31	7.90	SEP	1972	23	7.33
1972	SEP	23	7.33	SEP	1971	29	7.67

ALPHA= .0360 QO= 9.95


05QC001 CHUKUNI RIVER NEAR EAR FALLS
METHOD 2
ALPHA= 0.0087
QO= 23.48
MINIMUM FLOW m³/S
60.00
50.00
40.00
30.00
20.00
10.00
0.00
MAY
JUN
JUL
AUG
SEP


05QC001 CHUKUNI RIVER NEAR EAR FALLS
METHOD 1
ALPHA= 0.0087
QO= 23.48
MINIMUM FLOW m³/S
60.00
50.00
40.00
30.00
20.00
10.00
0.00
MAY
JUN
JUL
AUG
SEP


02KF010 CLYDE RIVER NEAR LANARK
METHOD 2
ALPHA= 0.0307
QO= 4.39
MINIMUM FLOW m³/S
6.00
5.00
4.00
3.00
2.00
1.00
0.00
MAY
JUN
JUL
AUG
SEP


02KF010 CLYDE RIVER NEAR LANARK
METHOD 1
ALPHA= 0.0307
QO= 4.39
MINIMUM FLOW m³/S
6.00
5.00
4.00
3.00
2.00
1.00
0.00
MAY
JUN
JUL
AUG
SEP

05QC001 CHUKUNI RIVER NEAR EAR FALLS

DRAINAGE AREA 4920 SQ KM REGULATED

PERIOD OF RECORD 1934-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	31	20.46	MAY	1977	11	1.82
1976	JUN	25	10.50	MAY	1971	2	13.90
1976	JUL	25	9.57	MAY	1973	30	17.30
1976	AUG	31	8.30	MAY	1976	31	20.40
1976	SEP	10	7.67	MAY	1980	26	20.80
1980	MAY	26	20.80	JUN	1977	9	5.41
1980	JUN	29	21.40	JUN	1976	26	10.50
1980	JUL	30	17.50	JUN	1973	5	16.60
1980	AUG	4	12.00	JUN	1980	28	21.40
1980	SEP	1	15.10	JUN	1969	1	27.70
1977	MAY	11	1.82	JUL	1976	25	9.57
1977	JUN	4	5.41	JUL	1972	9	17.30
1977	JUL	30	22.10	JUL	1980	30	17.50
1977	AUG	1	25.20	JUL	1977	30	22.10
1977	SEP	1	39.90	JUL	1965	31	22.50
1971	MAY	2	13.90	AUG	1976	31	8.30
1971	JUN	26	40.50	AUG	1966	16	9.91
1971	JUL	31	35.70	AUG	1965	31	10.10
1971	AUG	23	11.10	AUG	1971	23	11.10
1971	SEP	18	11.20	AUG	1980	4	12.00
1965	MAY	5	26.20	SEP	1963	24	.03
1965	JUN	30	59.50	SEP	1976	10	7.67
1965	JUL	31	22.50	SEP	1967	9	8.95
1965	AUG	31	10.10	SEP	1965	1	9.94
1965	SEP	1	9.94	SEP	1966	1	10.00

ALPHA= .0087 QO= 23.48

02KF010 CLYDE RIVER NEAR LANARK

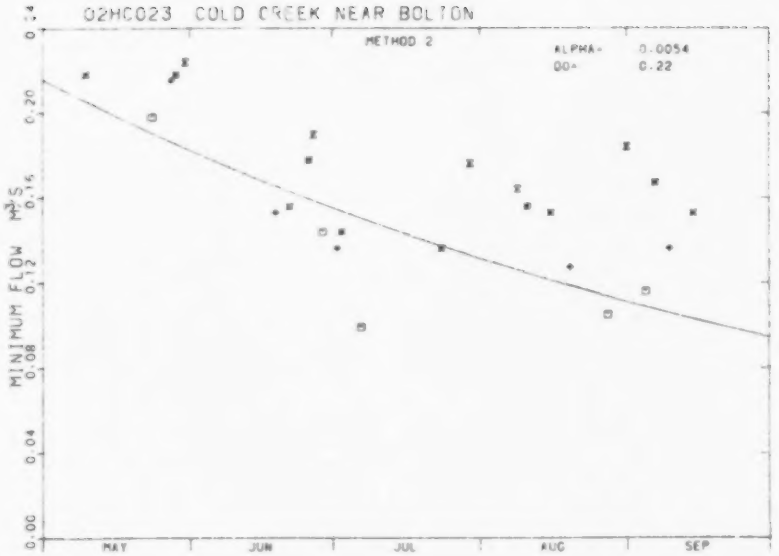
DRAINAGE AREA 614 SQ KM REGULATED

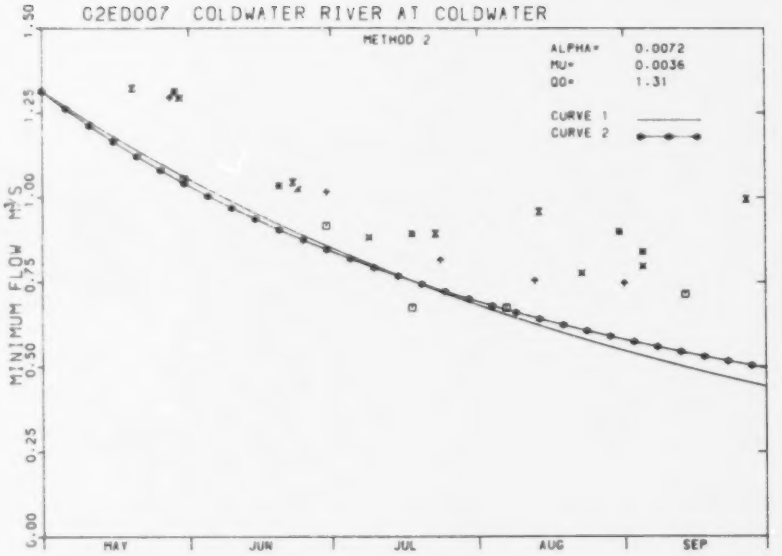
PERIOD OF RECORD 1970-80

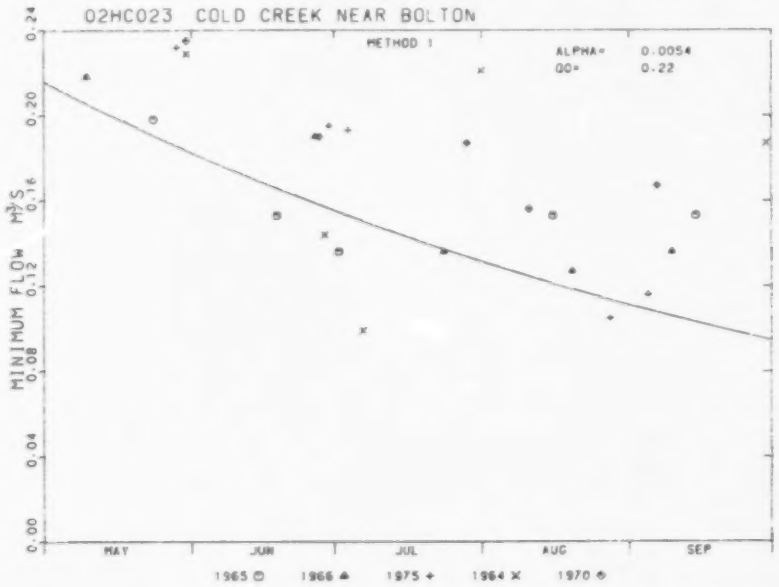
DISCHARGES IN CUBIC METRES PER SECOND

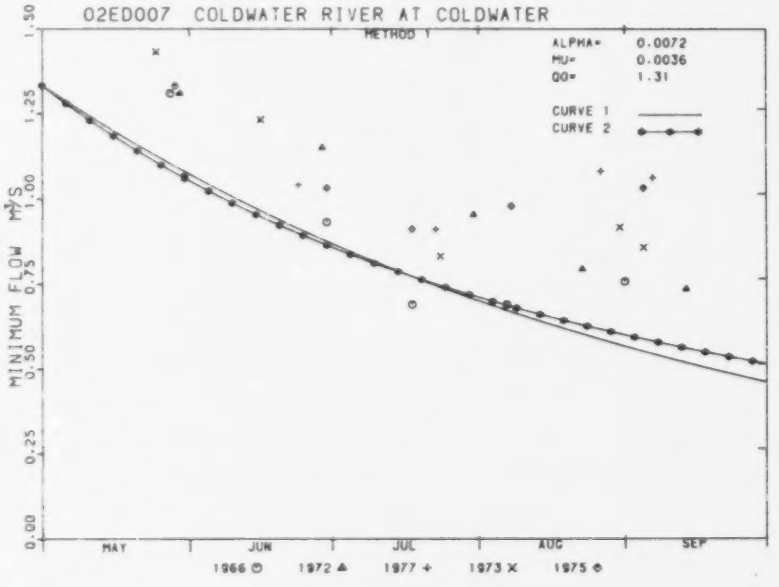
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	2.06	MAY	1977	31	2.06
1977	JUN	24	.91	MAY	1975	26	3.96
1977	JUL	28	.41	MAY	1978	31	4.22
1977	AUG	31	.20	MAY	1971	31	4.56
1977	SEP	2	.17	MAY	1973	28	5.24
1978	MAY	31	4.22	JUN	1978	30	.74
1978	JUN	30	.74	JUN	1977	24	.91
1978	JUL	7	.26	JUN	1971	30	.98
1978	AUG	22	.21	JUN	1975	30	1.35
1978	SEP	10	.06	JUN	1979	30	2.03
1975	MAY	26	3.96	JUL	1978	7	.26
1975	JUN	30	1.35	JUL	1973	26	.29
1975	JUL	18	.50	JUL	1979	23	.39
1975	AUG	22	.14	JUL	1977	28	.41
1975	SEP	6	.16	JUL	1971	13	.43
1971	MAY	31	4.56	AUG	1975	22	.14
1971	JUN	30	.98	AUG	1977	31	.20
1971	JUL	13	.43	AUG	1978	22	.21
1971	AUG	20	.25	AUG	1971	20	.25
1971	SEP	5	.27	AUG	1973	1	.33
1973	MAY	28	5.24	SEP	1978	10	.06
1973	JUN	30	2.44	SEP	1975	6	.16
1973	JUL	26	.29	SEP	1974	25	.16
1973	AUG	1	.33	SEP	1977	2	.17
1973	SEP	17	.43	SEP	1971	5	.27

ALPHA= .0307 QO= 4.39


02HC023 COLD CREEK NEAR BOLTON
METHOD 2
ALPHA= 0.0054
QO= 0.22
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
MAY
JUN
JUL
AUG
SEP


02ED007 COLDWATER RIVER AT COLDWATER
METHOD 2
ALPHA= 0.0072
MU= 0.0036
QO= 1.31
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP


02HC023 COLD CREEK NEAR BOLTON
METHOD 1
ALPHA= 0.0054
QO= 0.22
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1966 ▲ 1975 + 1964 × 1970 ◇


02ED007 COLDWATER RIVER AT COLDWATER
METHOD 1
ALPHA= 0.0072
MU= 0.0036
QO= 1.31
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1972 ▲ 1977 + 1973 × 1975 ◇

02HC023 COLD CREEK NEAR BOLTON

DRAINAGE AREA 62.2 SQ KM NATURAL FLOW

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	24	.198	MAY	1965	24	.198
1965	JUN	19	.153	MAY	1977	28	.215
1965	JUL	2	.136	MAY	1966	10	.218
1965	AUG	16	.153	MAY	1967	29	.218
1965	SEP	15	.153	MAY	1971	31	.224
1966	MAY	10	.218	JUN	1964	29	.144
1966	JUN	27	.190	JUN	1965	19	.153
1966	JUL	24	.136	JUN	1963	22	.156
1966	AUG	20	.127	JUN	1969	26	.178
1966	SEP	10	.136	JUN	1966	27	.190
1975	MAY	29	.232	JUL	1964	7	.099
1975	JUN	30	.195	JUL	1965	2	.136
1975	JUL	4	.193	JUL	1966	24	.136
1975	AUG	28	.105	JUL	1963	3	.144
1975	SEP	5	.116	JUL	1968	30	.176
1964	MAY	31	.229	AUG	1975	28	.105
1964	JUN	29	.144	AUG	1966	20	.127
1964	JUL	7	.099	AUG	1965	16	.153
1964	AUG	1	.221	AUG	1970	11	.156
1964	SEP	30	.187	AUG	1971	9	.164
1970	MAY	31	.235	SEP	1975	5	.116
1970	JUN	28	.190	SEP	1966	10	.136
1970	JUL	29	.187	SEP	1965	15	.153
1970	AUG	11	.156	SEP	1970	7	.167
1970	SEP	7	.167	SEP	1968	1	.184

ALPHA= .0054 QO= .22

02ED007 COLDWATER RIVER AT COLDWATER

DRAINAGE AREA 177 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

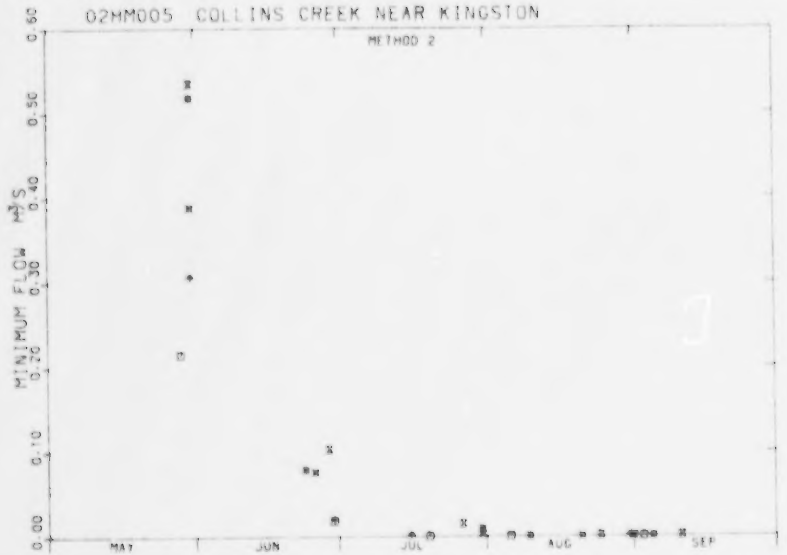
DISCHARGES IN CUBIC METRES PER SECOND

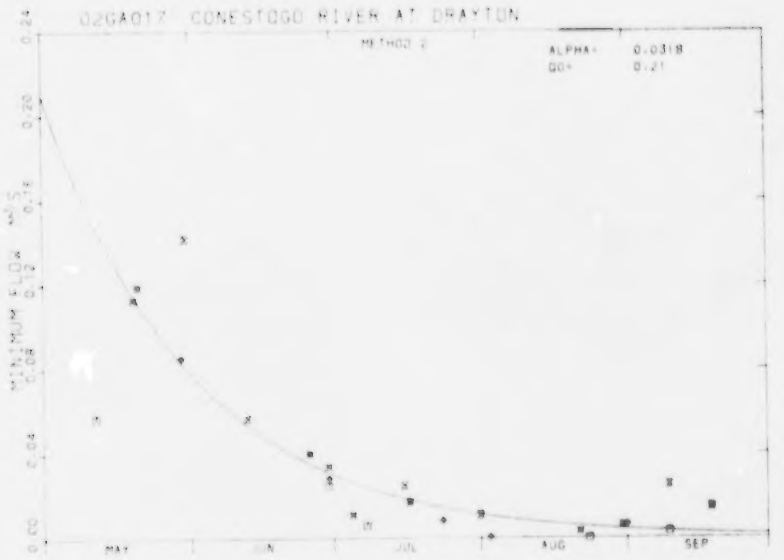
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	28	1.29	MAY	1977	31	1.05
1966	JUN	30	.91	MAY	1966	28	1.29
1966	JUL	18	.67	MAY	1972	30	1.29
1966	AUG	7	.67	MAY	1975	29	1.31
1966	SEP	1	.74	MAY	1971	20	1.32
1972	MAY	30	1.29	JUN	1966	30	.91
1972	JUN	29	1.13	JUN	1975	30	1.01
1972	JUL	31	.93	JUN	1977	24	1.02
1972	AUG	23	.77	JUN	1979	20	1.03
1972	SEP	14	.71	JUN	1970	23	1.04
1977	MAY	31	1.05	JUL	1966	18	.67
1977	JUN	24	1.02	JUL	1973	24	.81
1977	JUL	23	.89	JUL	1969	9	.88
1977	AUG	27	1.06	JUL	1975	18	.89
1977	SEP	7	1.04	JUL	1977	23	.89
1973	MAY	25	1.41	AUG	1966	7	.67
1973	JUN	16	1.21	AUG	1969	13	.75
1973	JUL	24	.81	AUG	1972	23	.77
1973	AUG	31	.90	AUG	1973	31	.90
1973	SEP	5	.84	AUG	1978	14	.95
1975	MAY	29	1.31	SEP	1972	14	.71
1975	JUN	30	1.01	SEP	1966	1	.74
1975	JUL	18	.89	SEP	1969	5	.79
1975	AUG	8	.96	SEP	1973	5	.84
1975	SEP	5	1.01	SEP	1979	27	.99

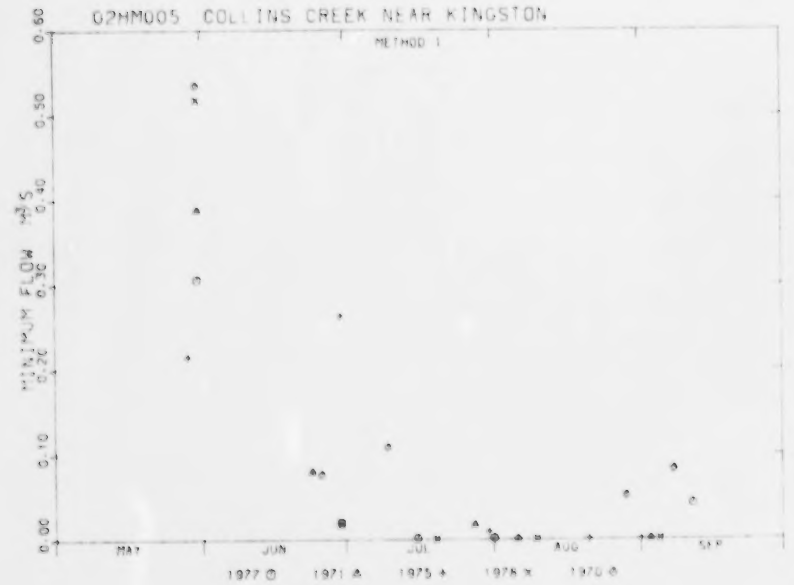
ALPHA= .0072 MU= .0036 QO= 1.31

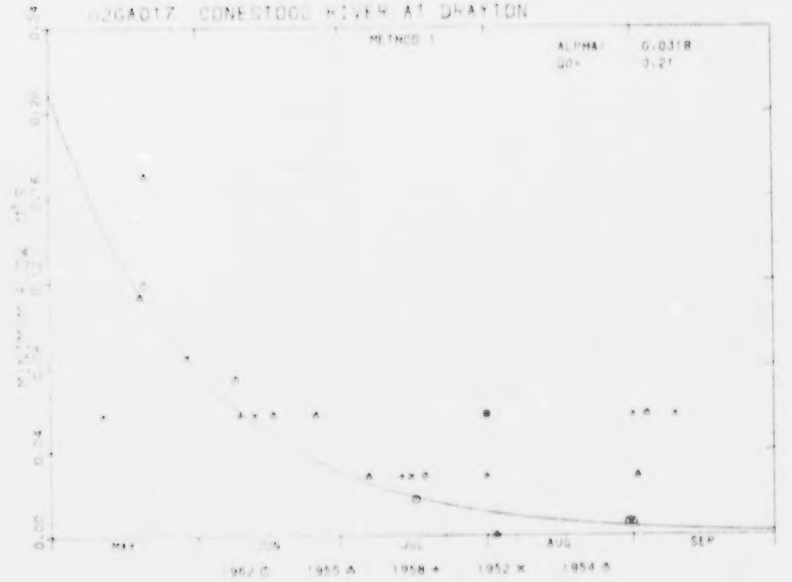
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3148.0	2448.0	2033.3	1628.2	1266.2	10523.7	5.95
CURVE 2	3111.9	2405.2	2031.5	1686.4	1380.0	10615.0	6.00


02HM005 COLLINS CREEK NEAR KINGSTON
METHOD 2
MINIMUM FLOW m³/s
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02GA017 CONESTOGO RIVER AT DRAYTON
METHOD 2
ALPHA= 0.0318
Q0= 0.21
MINIMUM FLOW m³/s
0.00
0.04
0.08
0.12
0.16
0.20
MAY
JUN
JUL
AUG
SEP


02HM005 COLLINS CREEK NEAR KINGSTON
METHOD 1
MINIMUM FLOW m³/s
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1971 △ 1975 + 1976 × 1970 ◇


02GA017 CONESTOGO RIVER AT DRAYTON
METHOD 1
ALPHA= 0.0318
Q0= 0.21
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1955 △ 1958 + 1952 × 1954 ◇

02HM005 COLLINS CREEK NEAR KINGSTON

DRAINAGE AREA 159 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.306	MAY	1975	29	.215
1977	JUN	30	.019	MAY	1977	31	.306
1977	JUL	16	.001	MAY	1971	31	.388
1977	AUG	1	.001	MAY	1978	31	.518
1977	SEP	12	.042	MAY	1970	31	.535
1971	MAY	31	.388	JUN	1978	30	.018
1971	JUN	24	.079	JUN	1977	30	.019
1971	JUL	28	.017	JUN	1970	26	.076
1971	AUG	6	0.000	JUN	1971	24	.079
1971	SEP	3	0.000	JUN	1980	29	.103
1975	MAY	29	.215	JUL	1978	20	0.000
1975	JUN	30	.263	JUL	1977	16	.001
1975	JUL	31	.009	JUL	1979	31	.002
1975	AUG	21	0.000	JUL	1975	31	.009
1975	SEP	1	0.000	JUL	1980	27	.015
1978	MAY	31	.518	AUG	1971	6	0.000
1978	JUN	30	.018	AUG	1973	31	0.000
1979	JUL	20	0.000	AUG	1975	21	0.000
1978	AUG	10	0.000	AUG	1978	10	0.000
1978	SEP	5	0.000	AUG	1974	25	.001
1970	MAY	31	.535	SEP	1971	3	0.000
1970	JUN	26	.076	SEP	1973	1	0.000
1970	JUL	10	.108	SEP	1975	1	0.000
1970	AUG	29	.051	SEP	1978	5	0.000
1970	SEP	8	.092	SEP	1974	11	.001

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
1.200	.092	.003	0.000	.002

02GA017 CONESTOGO RIVER AT DRAYTON

DRAINAGE AREA 324 SQ KM NATURAL FLOW

PERIOD OF RECORD 1950-72

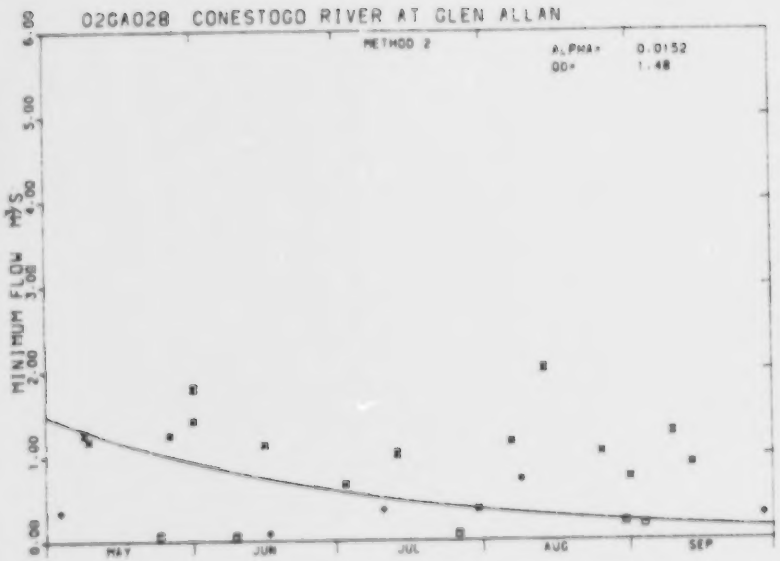
DISCHARGES IN CUBIC METRES PER SECOND

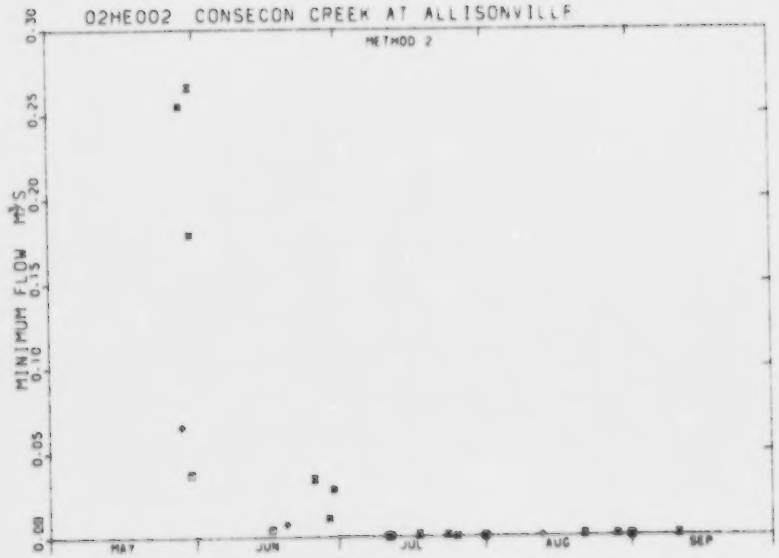
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	21	.119	MAY	1952	12	.057
1962	JUN	9	.074	MAY	1958	30	.085
1962	JUL	17	.017	MAY	1955	20	.113
1962	AUG	31	.006	MAY	1962	21	.119
1962	SEP	1	.006	MAY	1951	31	.142
1955	MAY	20	.113	JUN	1964	30	.025
1955	JUN	26	.057	JUN	1963	30	.028
1955	JUL	7	.028	JUN	1965	30	.034
1955	AUG	3	0.000	JUN	1959	26	.040
1955	SEP	2	.[illegible]	JUN	1952	13	.057
1958	MAY	30	.0[illegible]	JUL	1963	8	.006
1958	JUN	10	.057	JUL	1966	24	.008
1958	JUL	14	.028	JUL	1964	5	.011
1958	AUG	1	.028	JUL	1962	17	.017
1958	SEP	1	.057	JUL	1961	16	.025
1952	MAY	12	.057	AUG	1950	24	0.000
1954	JUN	13	.057	AUG	1955	3	0.000
1952	JUL	16	.028	AUG	1961	22	.003
1952	AUG	1	.057	AUG	1962	31	.006
1952	SEP	10	.057	AUG	1966	1	.011
1954	MAY	21	.170	SEP	1960	10	.003
1954	JUN	17	.057	SEP	1962	1	.006
1954	JUL	19	.028	SEP	1961	19	.014
1954	AUG	1	.057	SEP	1969	19	.015
1954	SEP	4	.057	SEP	1963	10	.025

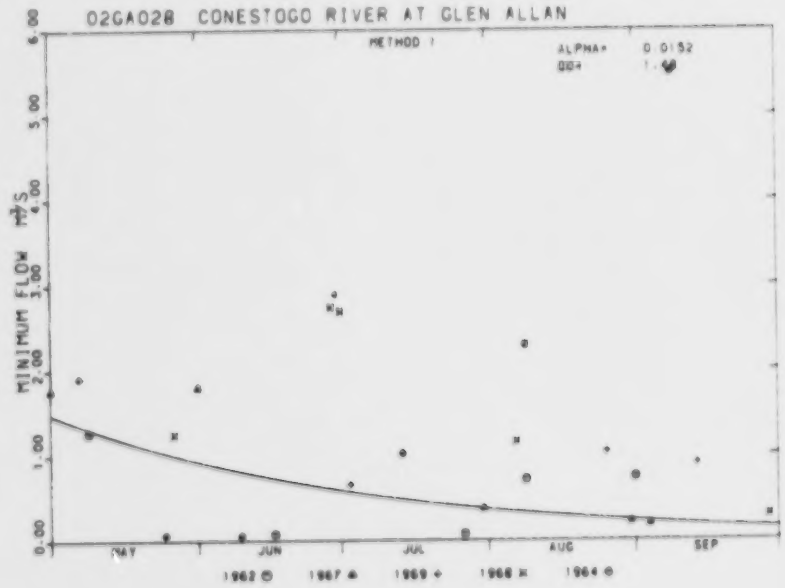
ALPHA= .0318 QO= .21

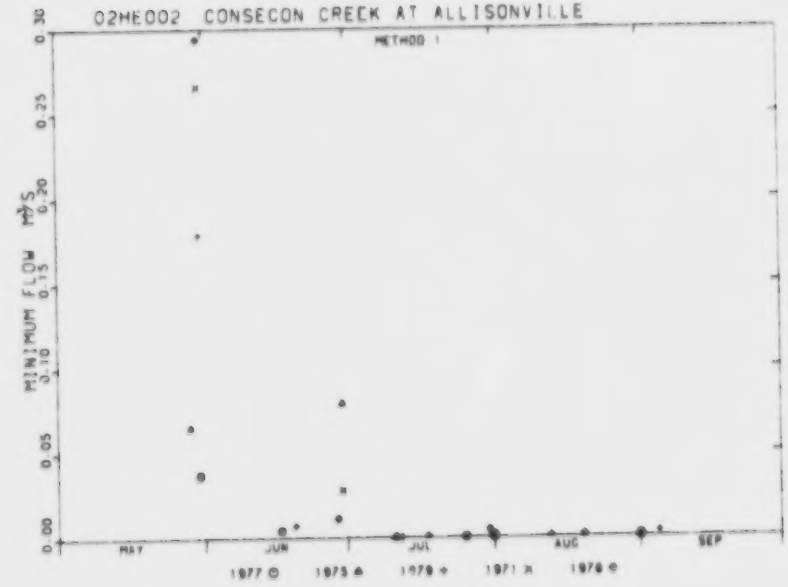
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.361	.076	.027	.029	.024


02GA028 CONESTOGO RIVER AT GLEN ALLAN
METHOD 2
ALPHA= 0.0152
QD= 1.48
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP


02HE002 CONSECON CREEK AT ALLISONVILLE
METHOD 2
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02GA028 CONESTOGO RIVER AT GLEN ALLAN
METHOD 1
ALPHA= 0.0152
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP
1962
1967
1969
1966
1964


02HE002 CONSECON CREEK AT ALLISONVILLE
METHOD 1
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1977
1975
1970
1971
1976

02GA028 CONESTOGO RIVER AT GLEN ALLAN

DRAINAGE AREA 578 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	9	1.27	MAY	1964	25	.07
1962	JUN	17	.08	MAY	1965	4	.14
1962	JUL	27	.08	MAY	1966	10	1.19
1962	AUG	9	.71	MAY	1968	27	1.25
1962	SEP	1	.74	MAY	1962	9	1.27
1967	MAY	1	1.76	JUN	1964	10	.06
1967	JUN	1	1.80	JUN	1962	17	.08
1967	JUL	31	.37	JUN	1961	16	1.13
1967	AUG	31	.21	JUN	1966	1	1.42
1967	SEP	4	.18	JUN	1967	1	1.80
1969	MAY	7	1.91	JUL	1962	27	.08
1969	JUN	30	2.89	JUL	1965	11	.36
1969	JUL	3	.66	JUL	1967	31	.37
1969	AUG	26	1.04	JUL	1969	3	.66
1969	SEP	14	.98	JUL	1964	14	1.02
1968	MAY	27	1.25	AUG	1967	31	.21
1968	JUN	29	2.74	AUG	1962	9	.71
1968	JUL	1	2.69	AUG	1969	26	1.04
1968	AUG	7	1.16	AUG	1968	7	1.16
1968	SEP	29	.29	AUG	1963	14	2.02
1964	MAY	25	.07	SEP	1967	4	.18
1964	JUN	10	.06	SEP	1968	29	.29
1964	JUL	14	1.02	SEP	1962	1	.74
1964	AUG	9	2.29	SEP	1969	14	.90
1964	SEP	9	3.49	SEP	1966	10	1.27

ALPHA= .0192 BB= 1.48

02HF002 CONSECON CREEK AT ALLISONVILLE

DRAINAGE AREA 114 SQ KM REGULATED

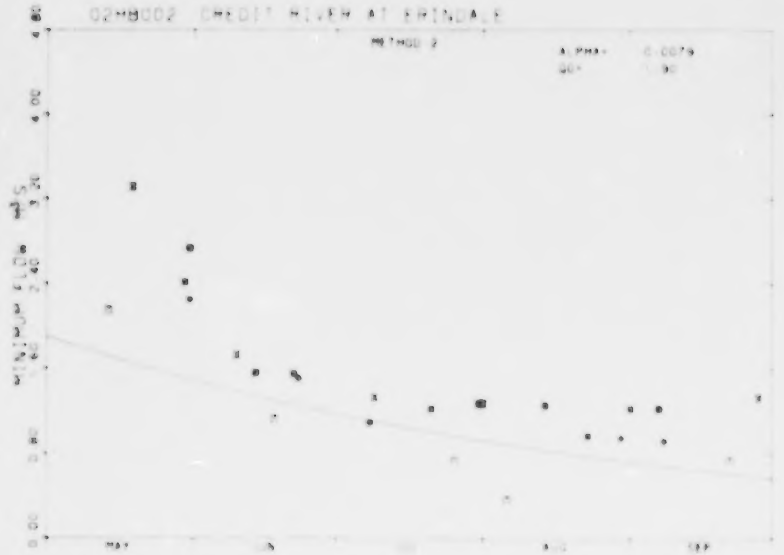
PERIOD OF RECORD 1969-80

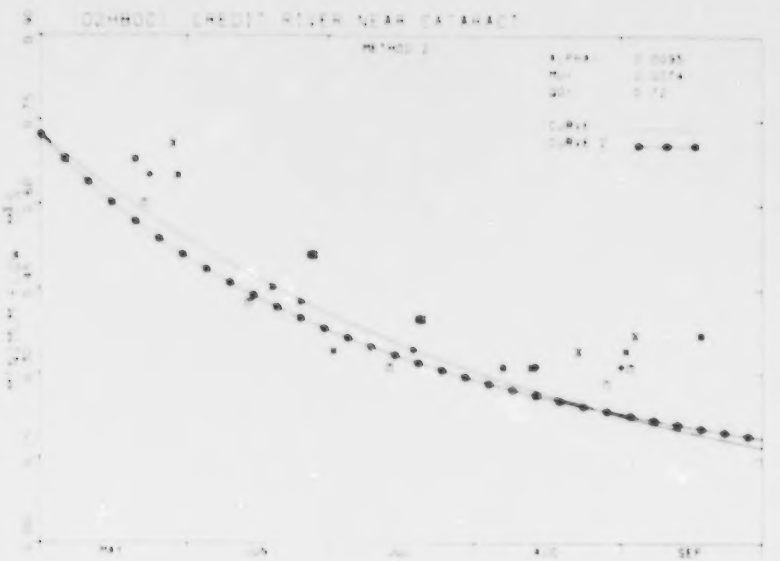
DISCHARGES IN CUBIC METRES PER SECOND

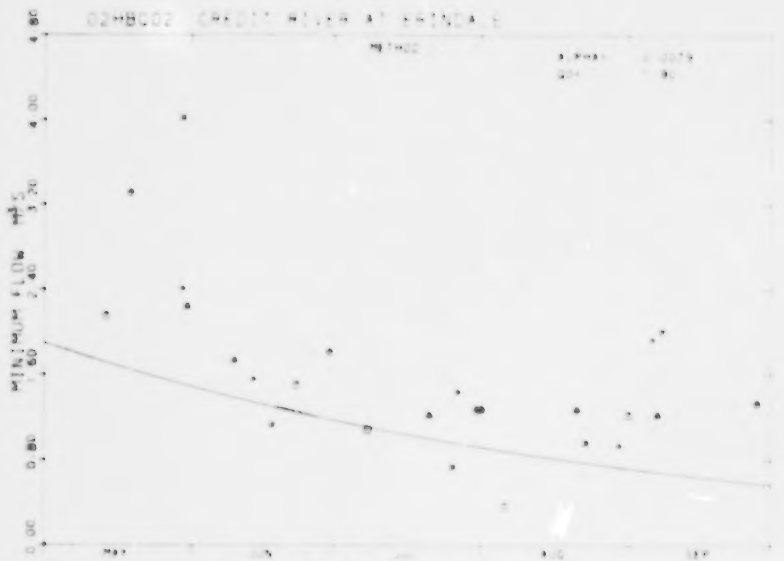
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.037	MAY	1977	31	.037
1977	JUN	17	.004	MAY	1975	29	.065
1977	JUL	26	0.000	MAY	1979	31	.179
1977	AUG	1	.001	MAY	1972	29	.295
1977	SEP	1	.001	MAY	1971	31	.266
1975	MAY	29	.065	JUN	1977	17	.004
1975	JUN	30	.079	JUN	1979	20	.007
1975	JUL	11	0.000	JUN	1978	29	.011
1975	AUG	1	0.000	JUN	1971	30	.028
1975	SEP	1	0.000	JUN	1970	26	.034
1979	MAY	31	.179	JUL	1971	12	0.000
1979	JUN	20	.007	JUL	1975	11	0.000
1979	JUL	18	.001	JUL	1977	26	0.000
1979	AUG	13	.001	JUL	1973	24	.001
1979	SEP	4	.003	JUL	1979	18	.001
1971	MAY	31	.266	AUG	1971	1	0.000
1971	JUN	30	.028	AUG	1973	13	0.000
1971	JUL	12	0.000	AUG	1975	1	0.000
1971	AUG	1	0.000	AUG	1970	29	.001
1971	SEP	1	0.000	AUG	1974	22	.001
1978	MAY	31	.294	SEP	1971	1	0.000
1978	JUN	29	.011	SEP	1973	1	0.000
1978	JUL	31	.004	SEP	1975	1	0.000
1978	AUG	20	.001	SEP	1970	1	.001
1978	SEP	1	.001	SEP	1974	11	.001

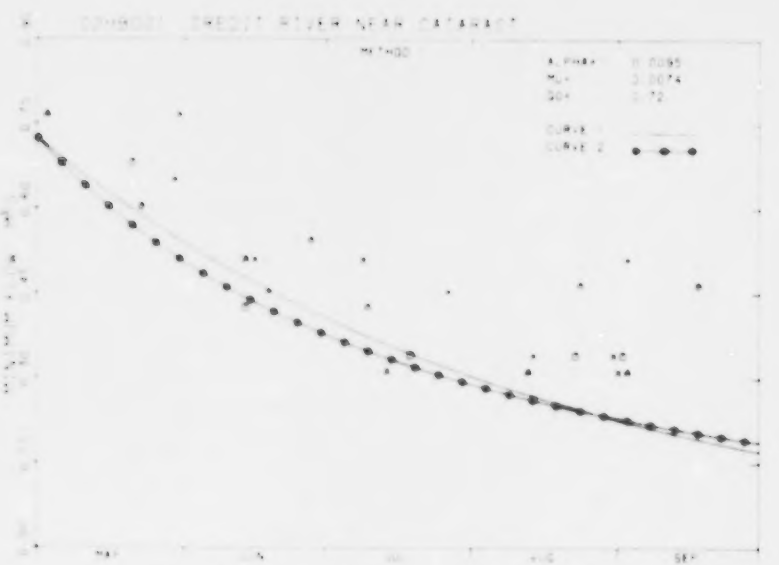
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.919	.014	.002	0.000	0.000









02HB002 CREDIT RIVER AT ERINDALE

DRAINAGE AREA 829 SQ KM REGULATED

PERIOD OF RECORD 1945-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	14	2.19	MAY	1949	14	2.19
1949	JUN	23	1.90	MAY	1962	31	2.24
1949	JUL	6	1.00	MAY	1950	30	2.41
1949	AUG	6	.87	MAY	1977	31	2.78
1949	SEP	1	1.22	MAY	1955	19	3.31
1962	MAY	31	2.24	JUN	1957	10	1.13
1962	JUN	10	1.73	JUN	1949	23	1.30
1962	JUL	21	1.22	JUN	1963	22	1.55
1962	AUG	21	1.27	JUN	1950	14	1.56
1962	SEP	7	1.22	JUN	1962	10	1.73
1950	MAY	30	2.41	JUL	1957	26	.74
1950	JUN	14	1.56	JUL	1949	6	1.00
1950	JUL	27	1.44	JUL	1962	21	1.22
1950	AUG	30	.93	JUL	1955	31	1.27
1950	SEP	6	1.93	JUL	1950	9	1.33
1957	MAY	30	4.02	AUG	1949	6	.87
1957	JUN	10	1.13	AUG	1950	30	.93
1957	JUL	26	.74	AUG	1957	23	.96
1957	AUG	23	.96	AUG	1959	14	1.25
1957	SEP	8	2.01	AUG	1955	1	1.27
1955	MAY	19	3.31	SEP	1950	22	.74
1955	JUN	30	1.01	SEP	1959	8	.91
1955	JUL	31	1.27	SEP	1949	1	1.22
1955	AUG	1	1.27	SEP	1962	7	1.22
1955	SEP	20	1.33	SEP	1955	20	1.33

ALPHA= .0079 BB= 1.90

02HB001 CREDIT RIVER NEAR CATARACT

DRAINAGE AREA 205 SQ KM REGULATED

PERIOD OF RECORD 1912-80

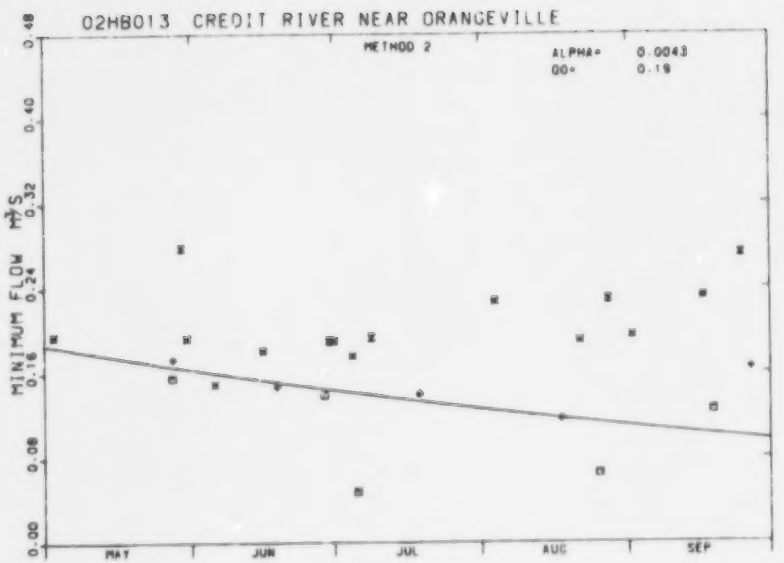
DISCHARGES IN CUBIC METRES PER SECOND

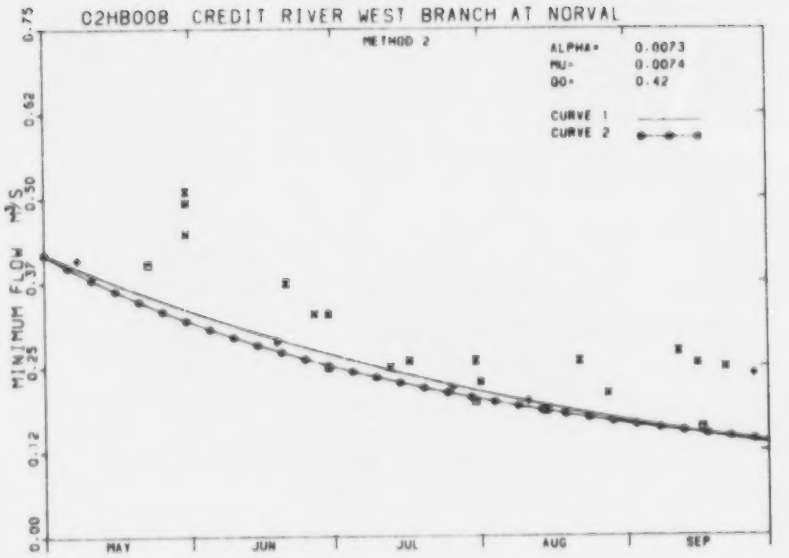
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1925	MAY	21	.680	MAY	1962	23	.603
1925	JUN	14	.429	MAY	1935	24	.691
1925	JUL	19	.340	MAY	1950	30	.651
1925	AUG	23	.340	MAY	1925	21	.680
1925	SEP	2	.340	MAY	1919	29	.708
1946	MAY	3	.765	JUN	1925	14	.429
1946	JUN	14	.910	JUN	1963	23	.429
1946	JUL	14	.311	JUN	1950	19	.493
1946	AUG	13	.311	JUN	1919	27	.910
1946	SEP	3	.311	JUN	1945	28	.910
1950	MAY	30	.651	JUL	1946	14	.311
1950	JUN	19	.493	JUL	1925	19	.340
1950	JUL	27	.493	JUL	1963	2	.340
1950	AUG	14	.340	JUL	1951	20	.396
1950	SEP	3	.510	JUL	1964	21	.396
1940	MAY	31	.765	AUG	1938	29	.283
1940	JUN	16	.510	AUG	1944	14	.311
1940	JUL	9	.510	AUG	1946	13	.311
1940	AUG	31	.340	AUG	1949	7	.311
1940	SEP	1	.311	AUG	1925	23	.340
1962	MAY	23	.603	SEP	1946	3	.311
1962	JUN	28	.544	SEP	1948	1	.311
1962	JUL	10	.429	SEP	1925	2	.340
1962	AUG	24	.464	SEP	1916	18	.368
1962	SEP	10	.464	SEP	1929	4	.368

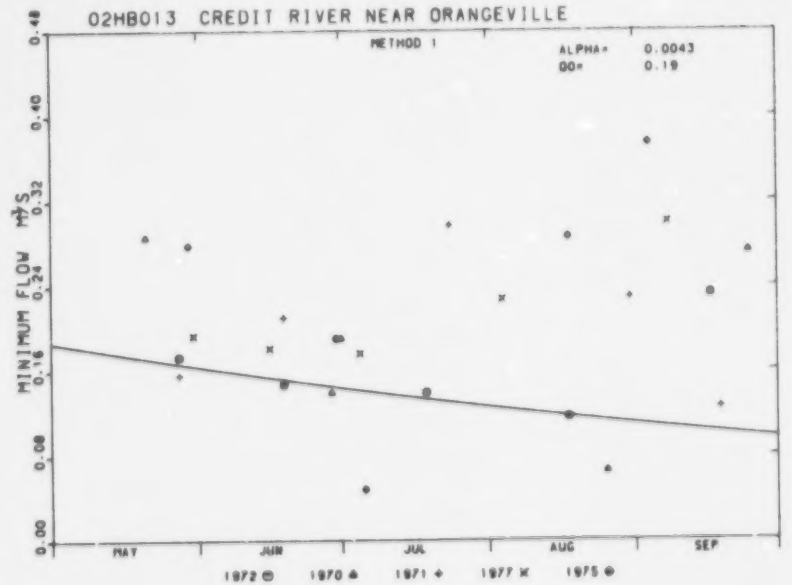
ALPHA= .0095 MU= .0074 BB= .72

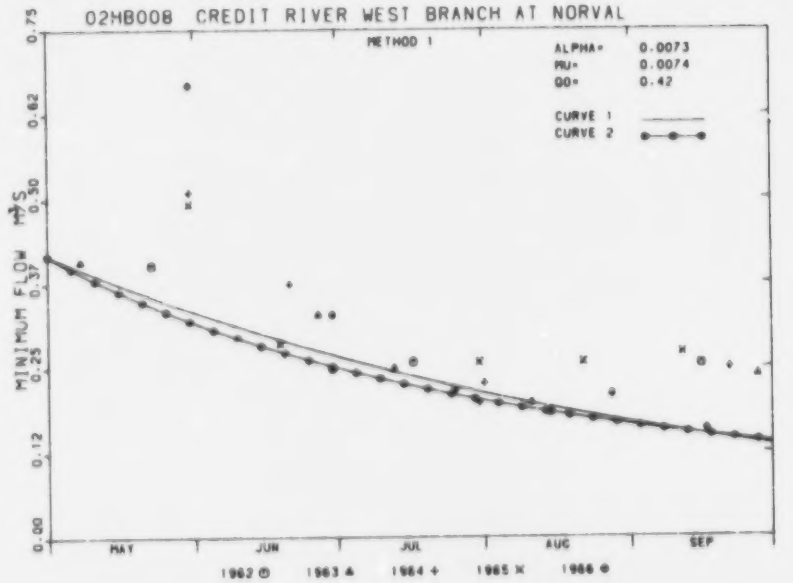
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1670.9	1217.5	943.1	703.5	910.2	5093.3	2.47
CURVE 2	1619.1	1130.2	882.8	687.9	935.1	4855.1	2.37


02HB013 CREDIT RIVER NEAR ORANGEVILLE
METHOD 2
ALPHA= 0.0043
QO= 0.19
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02HB008 CREDIT RIVER WEST BRANCH AT NORVAL
METHOD 2
ALPHA= 0.0073
MU= 0.0074
QO= 0.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02HB013 CREDIT RIVER NEAR ORANGEVILLE
METHOD 1
ALPHA= 0.0043
QO= 0.19
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1970 ▲ 1971 + 1977 X 1975 ⊕


02HB008 CREDIT RIVER WEST BRANCH AT NORVAL
METHOD 1
ALPHA= 0.0073
MU= 0.0074
QO= 0.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1963 ▲ 1964 + 1965 X 1966 ⊕

02HB013 CREDIT RIVER NEAR ORANGEVILLE

DRAINAGE AREA 192.2 SQ KM REGULATED

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	20	.178	MAY	1971	28	.196
1972	JUN	19	.147	MAY	1972	28	.173
1972	JUL	19	.139	MAY	1977	31	.193
1972	AUG	18	.116	MAY	1978	5	.195
1972	SEP	17	.232	MAY	1975	30	.278
1970	MAY	21	.286	JUN	1970	29	.139
1970	JUN	29	.139	JUN	1972	19	.147
1970	JUL	1	.190	JUN	1974	6	.190
1970	AUG	26	.065	JUN	1977	16	.181
1970	SEP	25	.272	JUN	1975	30	.190
1971	MAY	28	.196	JUL	1979	6	.040
1971	JUN	19	.218	JUL	1972	19	.139
1971	JUL	24	.297	JUL	1977	9	.176
1971	AUG	31	.229	JUL	1970	1	.190
1971	SEP	19	.125	JUL	1973	9	.193
1977	MAY	31	.193	AUG	1970	26	.065
1977	JUN	16	.181	AUG	1972	18	.116
1977	JUL	5	.176	AUG	1974	22	.190
1977	AUG	4	.227	AUG	1977	4	.227
1977	SEP	8	.300	AUG	1968	28	.229
1975	MAY	30	.278	SEP	1971	19	.125
1975	JUN	30	.190	SEP	1969	27	.164
1975	JUL	6	.040	SEP	1974	2	.195
1975	AUG	18	.286	SEP	1972	17	.232
1975	SEP	4	.374	SEP	1970	25	.272

ALPHA= .0043 QO= .19

02HB008 CREDIT RIVER WEST BRANCH AT NORVAL

DRAINAGE AREA 127 SQ KM REGULATED

PERIOD OF RECORD 1960-80

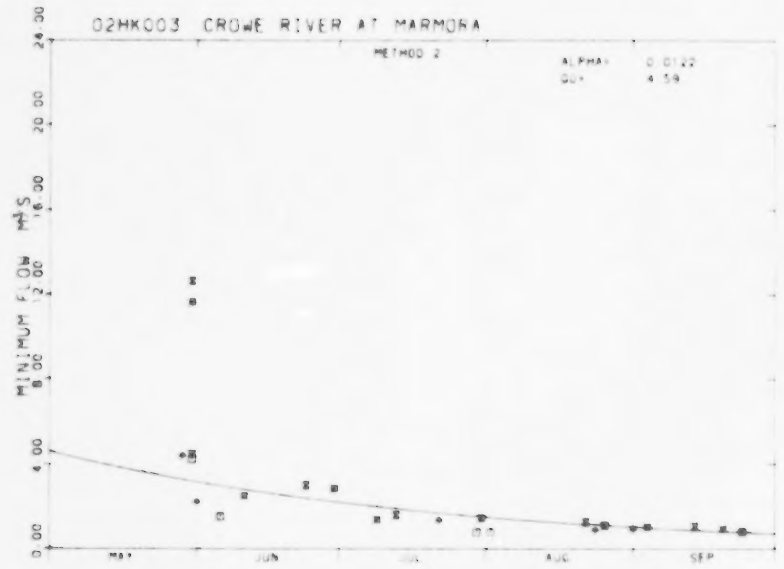
DISCHARGES IN CUBIC METRES PER SECOND

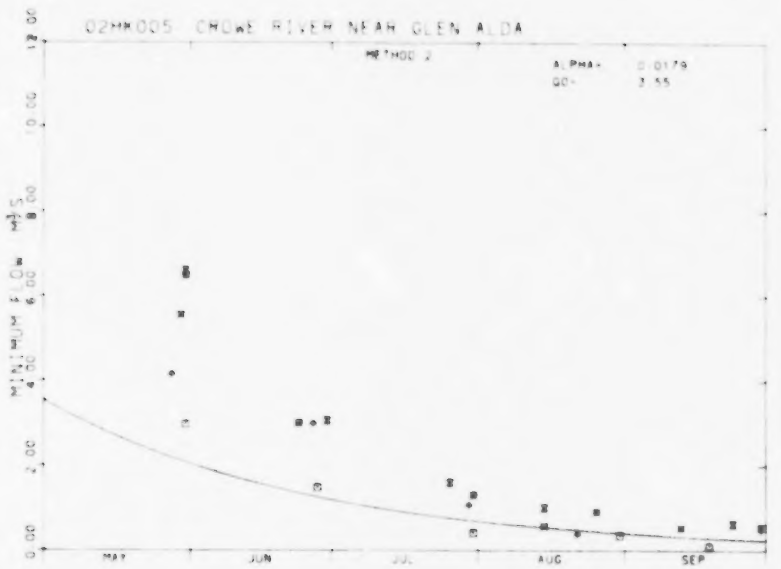
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	23	.402	MAY	1962	23	.402
1962	JUN	30	.249	MAY	1963	8	.408
1962	JUL	17	.258	MAY	1977	31	.447
1962	AUG	15	.184	MAY	1965	31	.493
1962	SEP	16	.255	MAY	1964	31	.910
1963	MAY	8	.408	JUN	1962	30	.249
1963	JUN	27	.328	JUN	1965	19	.286
1963	JUL	13	.249	JUN	1963	27	.328
1963	AUG	11	.198	JUN	1966	30	.328
1963	SEP	20	.238	JUN	1964	21	.374
1964	MAY	31	.510	JUL	1964	31	.198
1964	JUN	21	.374	JUL	1966	26	.218
1964	JUL	31	.198	JUL	1963	13	.249
1964	AUG	1	.227	JUL	1962	17	.258
1964	SEP	22	.249	JUL	1965	31	.258
1965	MAY	31	.493	AUG	1962	15	.184
1965	JUN	19	.266	AUG	1963	11	.198
1965	JUL	31	.258	AUG	1966	28	.210
1965	AUG	22	.258	AUG	1964	1	.227
1965	SEP	12	.272	AUG	1965	22	.255
1966	MAY	31	.668	SEP	1966	17	.159
1966	JUN	30	.328	SEP	1963	28	.238
1966	JUL	26	.218	SEP	1964	22	.249
1966	AUG	28	.216	SEP	1962	16	.295
1966	SEP	17	.159	SEP	1965	12	.272

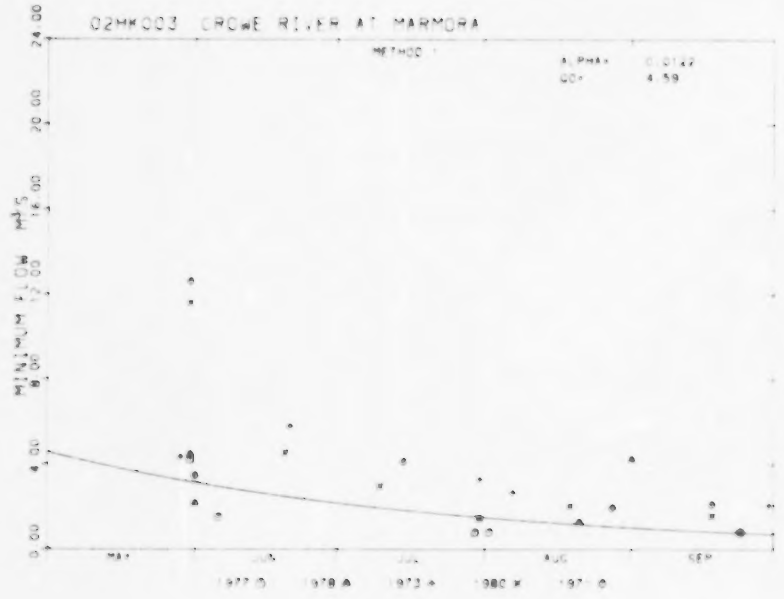
ALPHA= .0073 NU= .0074 QO= .42

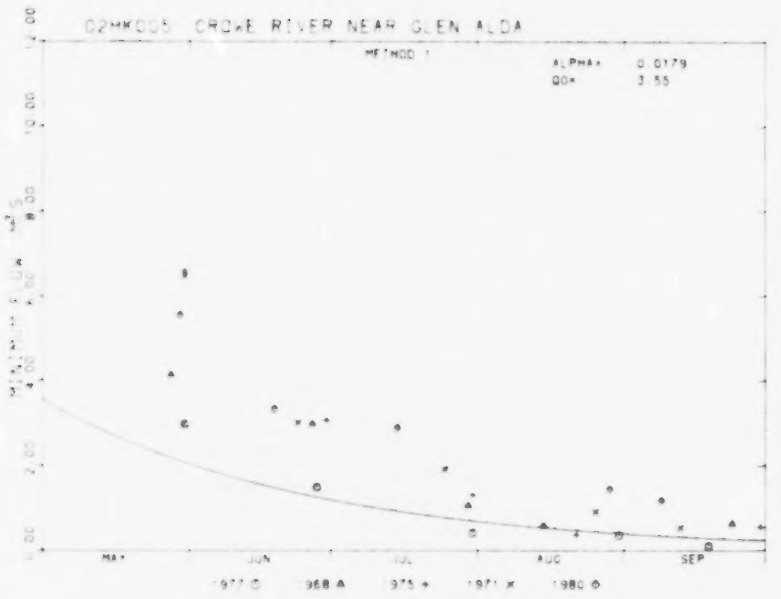
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	999.1	773.1	639.0	509.1	394.0	3314.2	2.61
CURVE 2	973.0	729.3	601.2	489.1	393.7	3186.4	2.51


02HK003 CROWE RIVER AT MARMORA
METHOD 2
ALPHA= 0.0122
QO= 4.59
MINIMUM FLOW m3/S
MAY
JUN
JUL
AUG
SEP


02HK005 CROWE RIVER NEAR GLEN ALDA
METHOD 2
ALPHA= 0.0179
QO= 3.55
m3/S
MAY
JUN
JUL
AUG
SEP


02HK003 CROWE RIVER AT MARMORA
METHOD 1
ALPHA= 0.0122
QO= 4.59
MINIMUM FLOW m3/S
MAY
JUN
JUL
AUG
SEP
1977 1978 1973 1980 1971


02HK005 CROWE RIVER NEAR GLEN ALDA
METHOD 1
ALPHA= 0.0179
QO= 3.55
m3/S
MAY
JUN
JUL
AUG
SEP
1977 1968 1975 1971 1980

02HK003 CROWE RIVER AT MARMORA

DRAINAGE AREA 1090 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	4.19	MAY	1977	31	4.19
1977	JUN	6	1.90	MAY	1978	29	4.33
1977	JUL	30	.78	MAY	1978	31	4.45
1977	AUG	2	.79	MAY	1980	31	11.60
1977	SEP	24	.79	MAY	1971	31	12.60
1978	MAY	31	4.45	JUN	1977	6	1.90
1978	JUN	1	2.15	JUN	1978	1	2.15
1978	JUL	31	1.43	JUN	1969	11	2.47
1978	AUG	21	1.27	JUN	1963	30	2.82
1978	SEP	1	4.22	JUN	1964	24	2.97
1973	MAY	29	4.33	JUL	1977	30	.78
1973	JUN	21	9.78	JUL	1962	22	1.30
1973	JUL	31	3.28	JUL	1961	9	1.35
1973	AUG	7	2.66	JUL	1970	31	1.43
1973	SEP	30	2.06	JUL	1963	13	1.98
1980	MAY	31	11.60	AUG	1977	2	.79
1980	JUN	20	4.33	AUG	1964	24	.85
1980	JUL	10	2.97	AUG	1963	26	1.07
1980	AUG	19	2.03	AUG	1960	26	1.11
1980	SEP	18	1.56	AUG	1975	22	1.26
1971	MAY	31	12.60	SEP	1977	24	.79
1971	JUN	1	3.45	SEP	1964	1	.90
1971	JUL	15	4.11	SEP	1966	20	.93
1971	AUG	28	1.94	SEP	1963	4	1.03
1971	SEP	18	2.10	SEP	1975	14	1.06

ALPHA= .0122 BO= 4.59

02HK005 CROWE RIVER NEAR GLEN ALDA

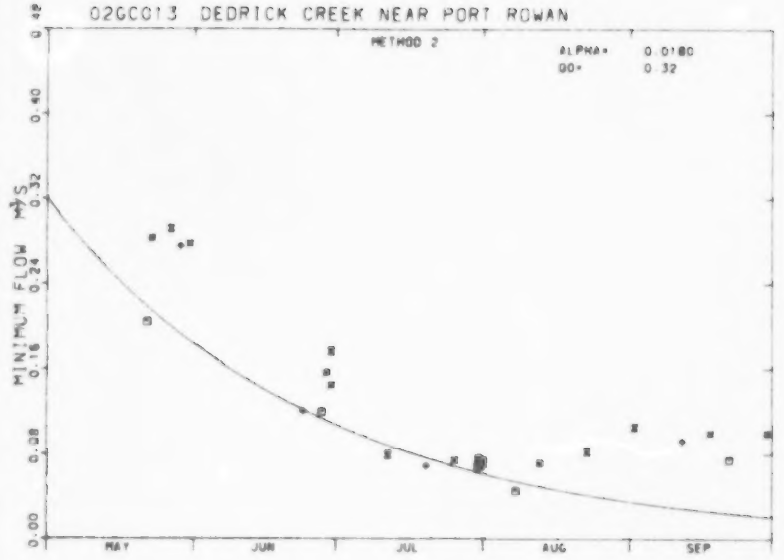
DRAINAGE AREA 496 SQ KM REGULATED

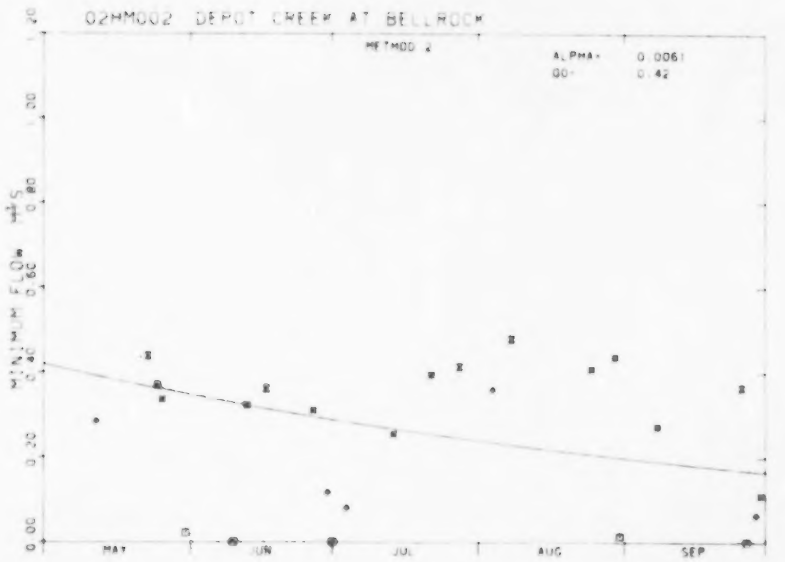
PERIOD OF RECORD 1968-80

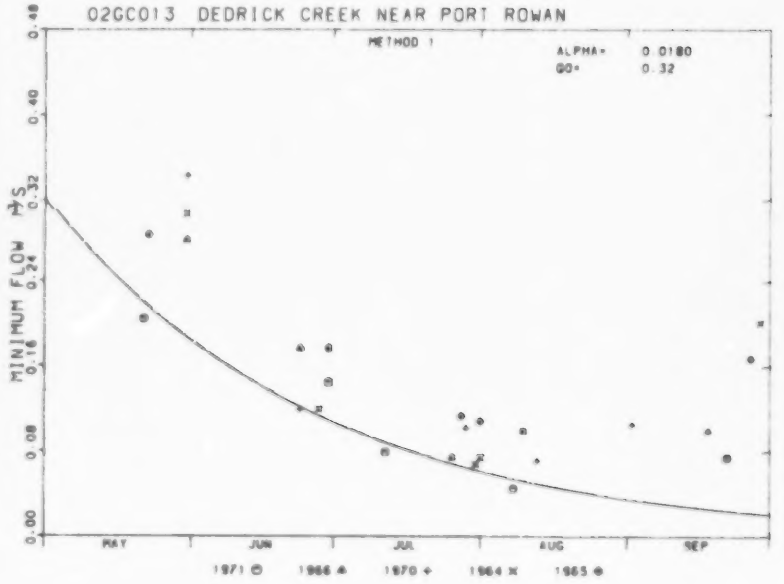
DISCHARGES IN CUBIC METRES PER SECOND

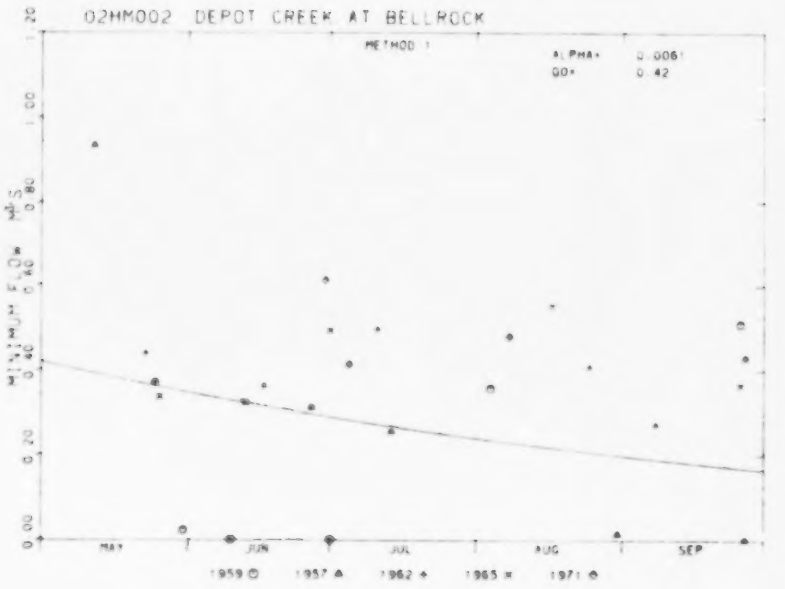
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	2.97	MAY	1977	31	2.97
1977	JUN	28	1.48	MAY	1968	28	4.18
1977	JUL	31	.41	MAY	1980	30	5.55
1977	AUG	31	.35	MAY	1971	31	6.48
1977	SEP	19	.18	MAY	1975	31	6.60
1968	MAY	28	4.18	JUN	1977	28	1.48
1968	JUN	27	2.97	JUN	1968	27	2.97
1968	JUL	30	1.85	JUN	1971	24	3.00
1968	AUG	19	.57	JUN	1976	24	3.00
1968	SEP	24	.62	JUN	1975	30	3.06
1975	MAY	31	6.60	JUL	1977	31	.41
1975	JUN	30	3.06	JUL	1968	30	1.85
1975	JUL	31	1.30	JUL	1975	31	1.30
1975	AUG	22	.37	JUL	1970	31	1.30
1975	SEP	30	.55	JUL	1973	26	1.39
1971	MAY	31	6.48	AUG	1977	31	.35
1971	JUN	24	3.00	AUG	1975	22	.37
1971	JUL	25	1.91	AUG	1968	19	.57
1971	AUG	26	.91	AUG	1971	26	.91
1971	SEP	13	.53	AUG	1978	15	1.00
1980	MAY	30	5.55	SEP	1977	19	.18
1980	JUN	19	3.33	SEP	1979	30	.47
1980	JUL	15	2.88	SEP	1971	13	.53
1980	AUG	29	1.44	SEP	1975	30	.55
1980	SEP	9	1.17	SEP	1968	24	.62

ALPHA= .0179 BO= 3.55


02GC013 DEDRICK CREEK NEAR PORT ROWAN
METHOD 2
ALPHA= 0.0180
GO= 0.32
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02HM002 DEPOT CREEK AT BELLROCK
METHOD 2
ALPHA= 0.0061
GO= 0.42
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
MAY
JUN
JUL
AUG
SEP


02GC013 DEDRICK CREEK NEAR PORT ROWAN
METHOD 1
ALPHA= 0.0180
GO= 0.32
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1966 ▲ 1970 + 1964 × 1965 ⊕


02HM002 DEPOT CREEK AT BELLROCK
METHOD 1
ALPHA= 0.0061
GO= 0.42
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
MAY
JUN
JUL
AUG
SEP
1959 ⊙ 1957 ▲ 1962 + 1965 × 1971 ⊕

02GC013 DEDRICK CREEK NEAR PORT ROWAN

DRAINAGE AREA 79.9 SQ KM REGULATED

PERIOD OF RECORD 1963-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1971	MAY	22	.284
1971	JUN	30	.144
1971	JUL	12	.079
1971	AUG	8	.049
1971	SEP	22	.074
1966	MAY	31	.278
1966	JUN	24	.176
1966	JUL	26	.074
1966	AUG	10	.099
1966	SEP	18	.099
1970	MAY	31	.343
1970	JUN	24	.119
1970	JUL	29	.102
1970	AUG	13	.071
1970	SEP	2	.109
1964	MAY	31	.303
1964	JUN	28	.119
1964	JUL	31	.088
1964	AUG	1	.074
1964	SEP	29	.201
1969	MAY	23	.283
1969	JUN	30	.176
1969	JUL	20	.113
1969	AUG	1	.108
1969	SEP	27	.167

METHOD 2

MONTH	YEAR	DAY	FLOW
MAY	1971	22	.284
MAY	1977	29	.279
MAY	1966	31	.278
MAY	1969	23	.283
MAY	1972	27	.292
JUN	1964	28	.119
JUN	1970	24	.119
JUN	1971	30	.144
JUN	1976	29	.156
JUN	1965	30	.176
JUL	1964	31	.068
JUL	1978	20	.068
JUL	1966	26	.074
JUL	1975	31	.076
JUL	1971	12	.079
AUG	1971	8	.045
AUG	1975	1	.068
AUG	1970	13	.071
AUG	1964	1	.074
AUG	1972	23	.082
SEP	1971	22	.074
SEP	1974	12	.091
SEP	1966	18	.099
SEP	1973	30	.099
SEP	1970	2	.109

ALPHA= .0188 QO= .32

02MP002 DEPOT CREEK AT BELLROCK

DRAINAGE AREA 189 SQ KM REGULATED

PERIOD OF RECORD 1957-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1959	MAY	31	.023
1959	JUN	10	0.000
1959	JUL	1	0.000
1959	AUG	4	.337
1959	SEP	26	.510
1957	MAY	12	.934
1957	JUN	27	.311
1957	JUL	14	.259
1957	AUG	31	.014
1957	SEP	27	0.000
1962	MAY	23	.439
1962	JUN	17	.362
1962	JUL	11	.496
1962	AUG	25	.408
1962	SEP	8	.272
1965	MAY	26	.337
1965	JUN	13	.323
1965	JUL	1	.495
1965	AUG	17	.552
1965	SEP	26	.365
1971	MAY	25	.371
1971	JUN	30	.612
1971	JUL	9	.413
1971	AUG	8	.479
1971	SEP	27	.430

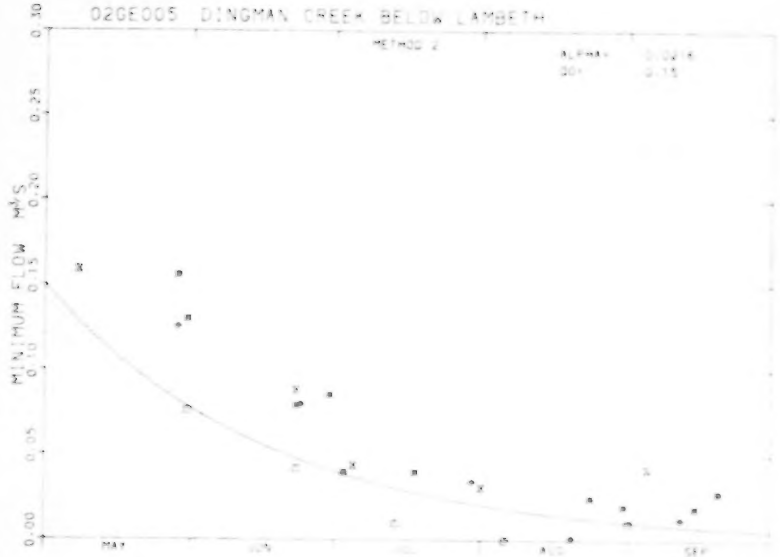
METHOD 2

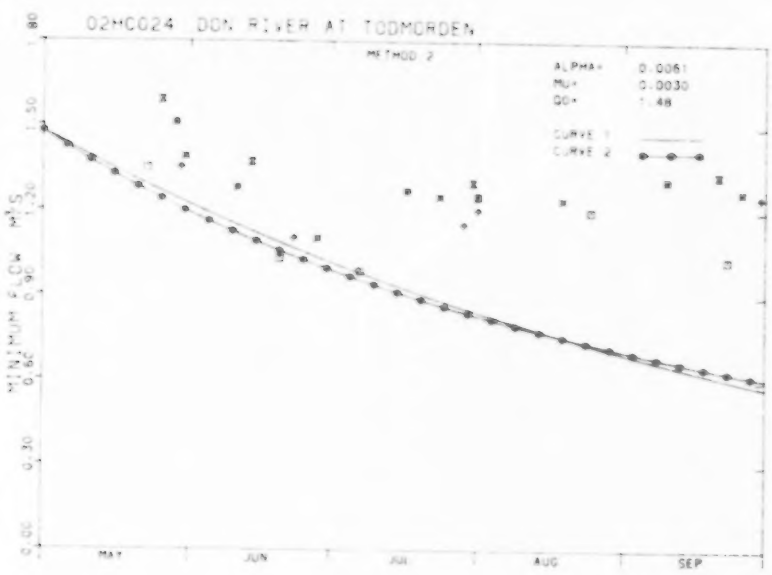
MONTH	YEAR	DAY	FLOW
MAY	1959	31	.023
MAY	1978	12	.283
MAY	1965	26	.337
MAY	1971	25	.371
MAY	1962	23	.439
J N	1959	10	0.000
JUN	1961	30	.116
JUN	1957	27	.311
JUN	1969	13	.323
JUN	1962	17	.362
JUL	1959	1	0.000
JUL	1961	4	.079
JUL	1957	14	.259
JUL	1960	22	.394
JUL	1968	28	.411
AUG	1957	31	.014
AUG	1959	4	.337
AUG	1962	25	.408
AUG	1966	30	.436
AUG	1971	8	.479
SEP	1957	27	0.000
SEP	1978	29	.062
SEP	1969	30	.110
SEP	1962	8	.272
SEP	1965	26	.369

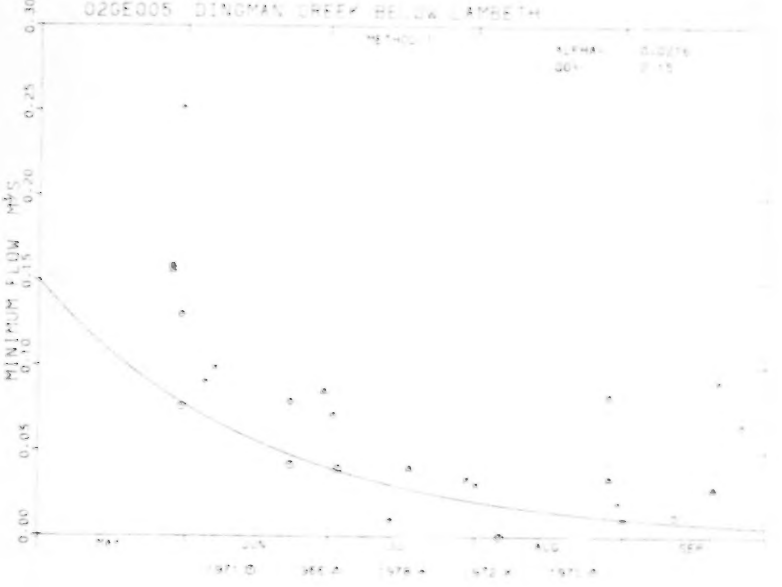
ALPHA= .0081 QO= .42

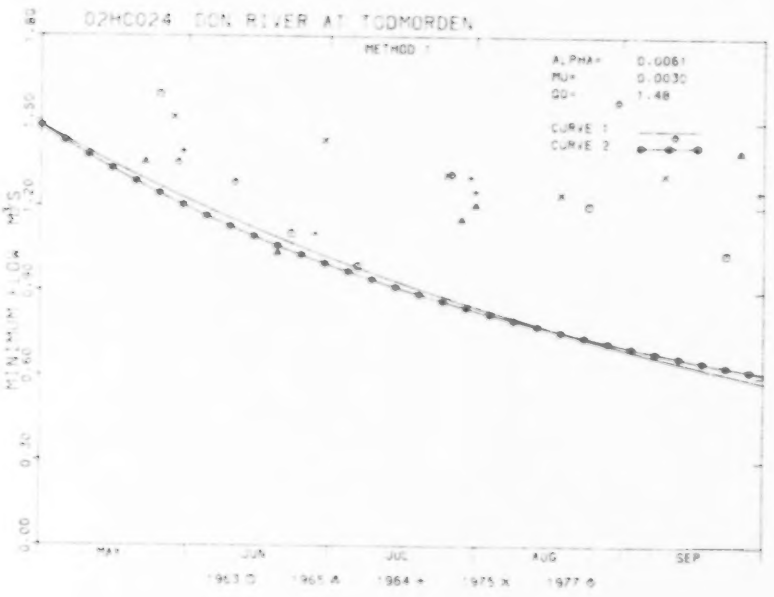
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.661	.011	.504	.203	.012


02GE005 DINGMAN CREEK BELOW LAMBETH
METHOD 2
MINIMUM FLOW M³/S
MAY
JUN
AUG
SEP


02HC024 DON RIVER AT TODMORDEN
METHOD 2
ALPHA= 0.0061
MU= 0.0030
QO= 1.48
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
AUG
SEP


02GE005 DINGMAN CREEK BELOW LAMBETH
METHOD 1
MINIMUM FLOW M³/S
MAY
AUG
SEP


02HC024 DON RIVER AT TODMORDEN
METHOD 1
ALPHA= 0.0061
MU= 0.0030
QO= 1.48
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1963 O 1965 A 1964 + 1975 X 1977 ⊕

02GE005 DINGMAN CREEK BELOW LAMBETH

DRAINAGE AREA 146 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	31	.076	MAY	1971	31	.076
1971	JUN	23	.042	MAY	1977	29	.125
1971	JUL	3	.040	MAY	1970	31	.130
1971	AUG	6	0.000	MAY	1966	29	.136
1971	SEP	12	.012	MAY	1968	8	.159
1966	MAY	29	.156	JUN	1971	23	.042
1966	JUN	30	.085	JUN	1968	24	.079
1966	JUL	18	.040	JUN	1970	23	.079
1966	AUG	29	.034	JUN	1966	30	.085
1966	SEP	20	.028	JUN	1976	23	.088
1978	MAY	31	.252	JUL	1978	14	.010
1978	JUN	5	.091	JUL	1972	30	.034
1978	JUL	14	.010	JUL	1966	18	.040
1978	AUG	31	.020	JUL	1971	3	.040
1978	SEP	1	.010	JUL	1979	5	.044
1972	MAY	29	.159	AUG	1971	6	0.000
1972	JUN	7	.099	AUG	1979	20	.001
1972	JUL	30	.034	AUG	1978	31	.026
1972	AUG	1	.031	AUG	1969	24	.025
1972	SEP	21	.091	AUG	1972	1	.031
1970	MAY	31	.130	SEP	1978	1	.010
1970	JUN	23	.079	SEP	1971	12	.012
1970	JUL	2	.071	SEP	1969	15	.019
1970	AUG	29	.082	SEP	1966	20	.028
1970	SEP	26	.065	SEP	1973	5	.042

ALPHA= .0216 QO= .15

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.230	.087	.059	.037	.028

02HC024 DON RIVER AT TODMORDEN

DRAINAGE AREA 316 SQ KM NATURAL FLOW

PERIOD OF RECORD 1962-80

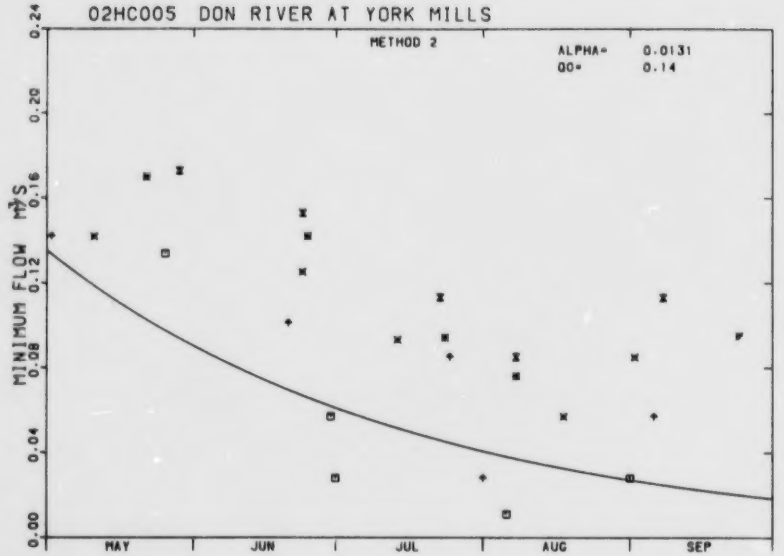
DISCHARGES IN CUBIC METRES PER SECOND

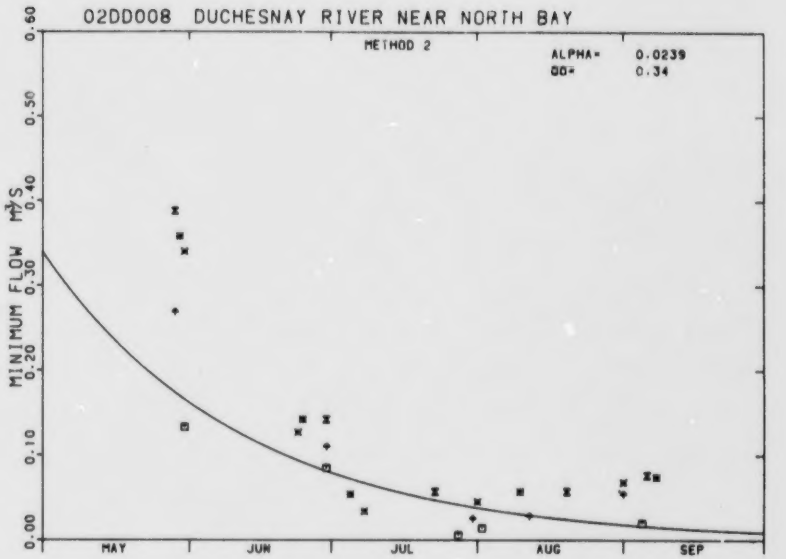
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1963	MAY	26	1.59	MAY	1965	23	1.35
1963	JUN	23	1.10	MAY	1977	30	1.35
1963	JUL	7	.99	MAY	1964	31	1.39
1963	AUG	25	1.20	MAY	1975	29	1.51
1963	SEP	23	1.03	MAY	1963	26	1.59
1965	MAY	23	1.35	JUN	1965	20	1.03
1965	JUN	20	1.03	JUN	1963	23	1.10
1965	JUL	29	1.15	JUN	1964	28	1.10
1965	AUG	1	1.20	JUN	1977	11	1.28
1965	SEP	26	1.39	JUN	1970	14	1.37
1964	MAY	31	1.39	JUL	1963	7	.99
1964	JUN	28	1.10	JUL	1965	29	1.15
1964	JUL	31	1.30	JUL	1966	24	1.25
1964	AUG	1	1.25	JUL	1978	17	1.27
1964	SEP	30	1.25	JUL	1964	31	1.30
1975	MAY	29	1.51	AUG	1963	25	1.20
1975	JUN	30	1.43	AUG	1965	1	1.20
1975	JUL	26	1.31	AUG	1975	19	1.24
1975	AUG	19	1.24	AUG	1964	1	1.25
1975	SEP	10	1.31	AUG	1966	1	1.25
1977	MAY	30	1.35	SEP	1963	23	1.03
1977	JUN	11	1.28	SEP	1964	30	1.25
1977	JUL	27	1.31	SEP	1973	26	1.27
1977	AUG	31	1.57	SEP	1975	10	1.31
1977	SEP	12	1.45	SEP	1980	21	1.33

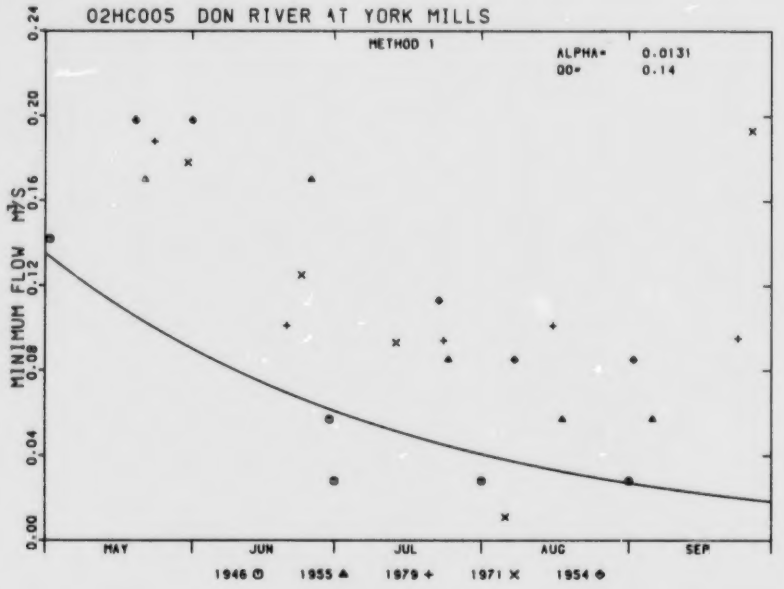
ALPHA= .0061 MU= .0030 QO= 1.48

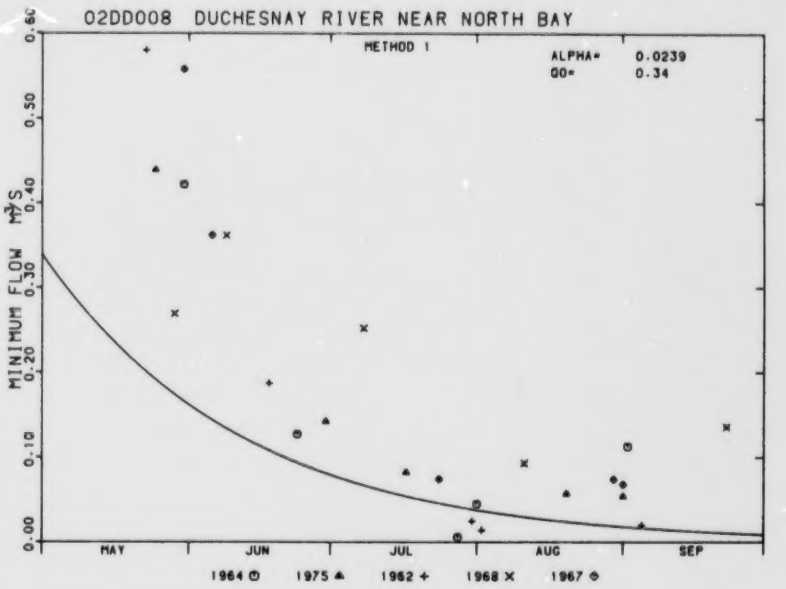
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3603.4	2890.9	2476.9	2047.3	1642.5	12661.0	4.01
CURVE 2	3554.8	2813.0	2421.8	2043.3	1694.6	12527.5	3.96


02HC005 DON RIVER AT YORK MILLS
METHOD 2
ALPHA= 0.0131
QO= 0.14
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02DD008 DUCHESNAY RIVER NEAR NORTH BAY
METHOD 2
ALPHA= 0.0239
QO= 0.34
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02HC005 DON RIVER AT YORK MILLS
METHOD 1
ALPHA= 0.0131
QO= 0.14
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1946
1955
1979
1971
1954


02DD008 DUCHESNAY RIVER NEAR NORTH BAY
METHOD 1
ALPHA= 0.0239
QO= 0.34
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1964
1975
1982
1968
1967

02HC005 DON RIVER AT YORK MILLS

DRAINAGE AREA 68.1 SQ KM REGULATED

PERIOD OF RECORD 1945-66

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1946	MAY	2	.142	MAY	1980	26	.134
1946	JUN	30	.057	MAY	1946	2	.142
1946	JUL	1	.028	MAY	1953	11	.142
1946	AUG	1	.028	MAY	1955	22	.170
1946	SEP	1	.026	MAY	1975	29	.173
1955	MAY	22	.170	JUN	1946	30	.057
1955	JUN	26	.170	JUN	1979	21	.101
1955	JUL	25	.085	JUN	1971	24	.125
1955	AUG	18	.057	JUN	1975	25	.142
1955	SEP	6	.057	JUN	1969	24	.153
1979	MAY	24	.188	JUL	1946	1	.028
1979	JUN	21	.101	JUL	1955	25	.085
1979	JUL	24	.094	JUL	1971	14	.093
1979	AUG	16	.101	JUL	1979	24	.094
1979	SEP	24	.095	JUL	1954	23	.113
1971	MAY	31	.178	AUG	1971	6	.011
1971	JUN	24	.125	AUG	1946	1	.028
1971	JUL	14	.093	AUG	1955	18	.057
1971	AUG	6	.011	AUG	1974	8	.076
1971	SEP	27	.193	AUG	1954	8	.085
1954	MAY	20	.198	SEP	1946	1	.028
1954	JUN	1	.198	SEP	1955	6	.057
1954	JUL	23	.113	SEP	1954	2	.085
1954	AUG	8	.085	SEP	1979	24	.095
1954	SEP	2	.085	SEP	1969	8	.113

ALPHA= .0131 QO= .14

02DD008 DUCHESNAY RIVER NEAR NORTH BAY

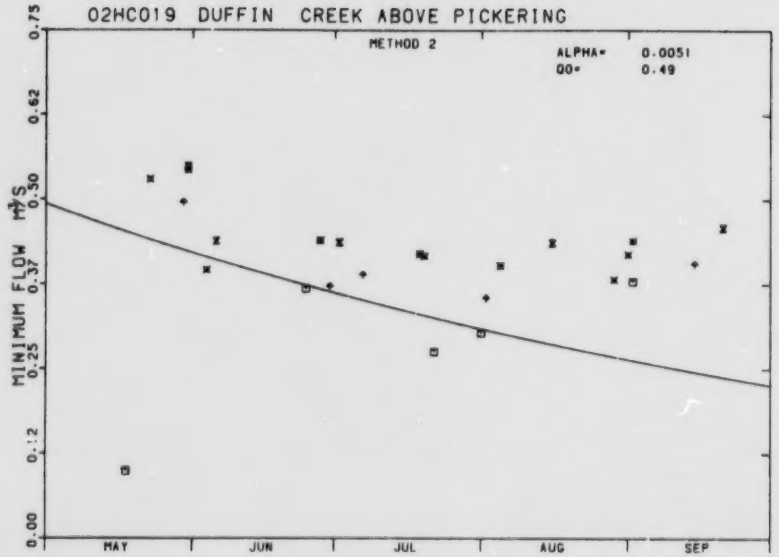
DRAINAGE AREA 90.4 SQ KM NATURAL FLOW

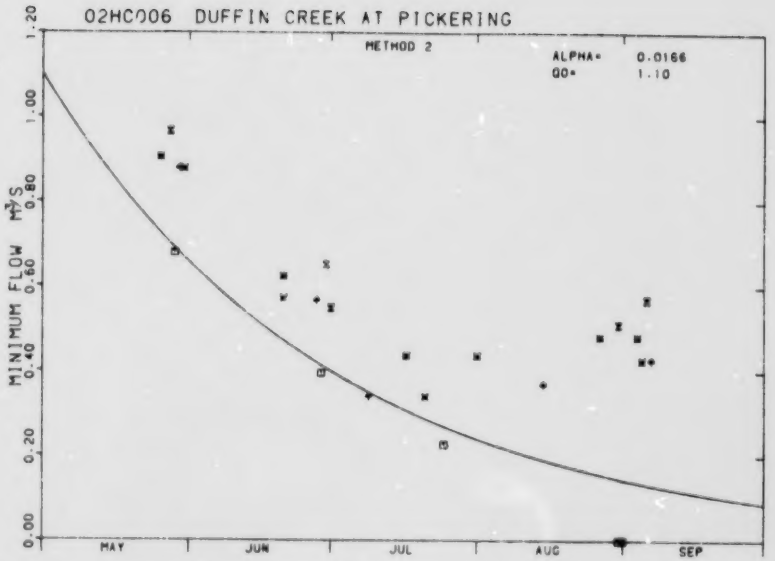
PERIOD OF RECORD 1956-80

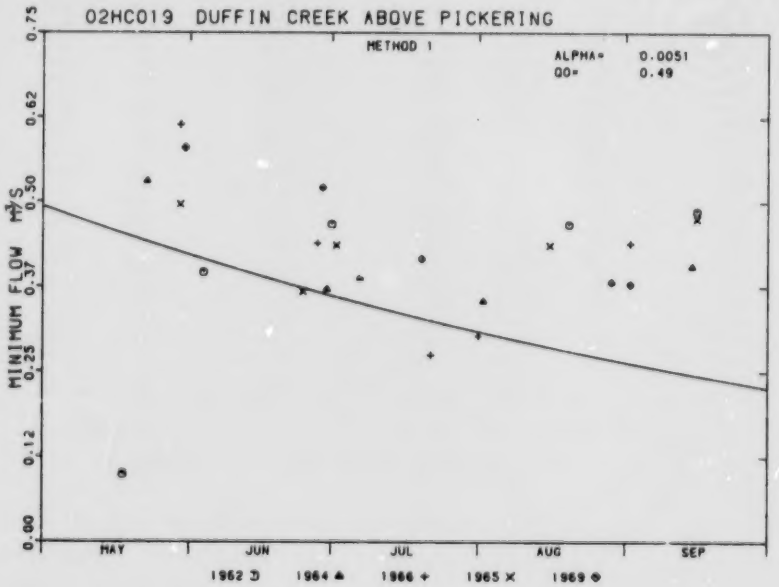
DISCHARGES IN CUBIC METRES PER SECOND

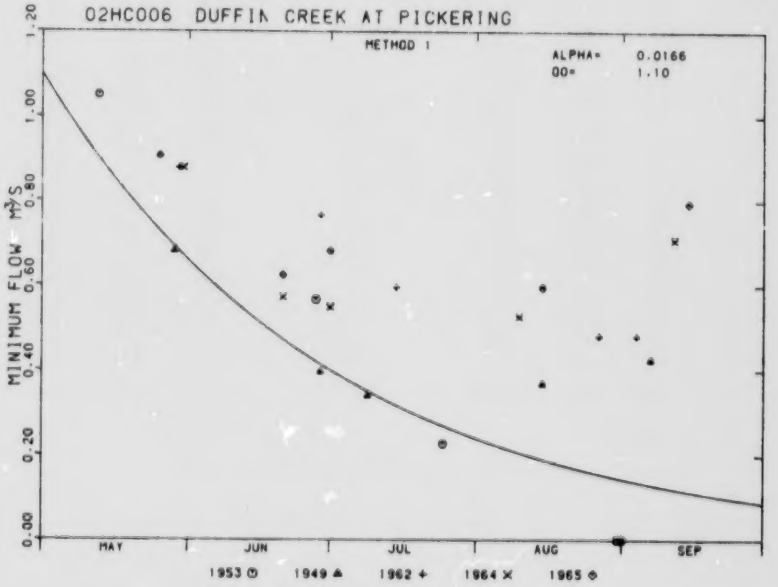
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	31	.422	MAY	1977	31	.133
1964	JUN	24	.127	MAY	1968	29	.269
1964	JUL	28	.006	MAY	1978	31	.340
1964	AUG	1	.045	MAY	1980	30	.338
1964	SEP	2	.113	MAY	1972	29	.388
1975	MAY	25	.439	JUN	1971	30	.085
1975	JUN	30	.142	JUN	1963	30	.110
1975	JUL	17	.082	JUN	1964	24	.127
1975	AUG	20	.057	JUN	1959	25	.142
1975	SEP	1	.034	JUN	1975	30	.142
1962	MAY	23	.580	JUL	1964	28	.006
1962	JUN	18	.187	JUL	1962	31	.025
1962	JUL	31	.025	JUL	1963	8	.034
1962	AUG	2	.014	JUL	1971	5	.054
1962	SEP	5	.020	JUL	1977	23	.057
1968	MAY	29	.269	AUG	1962	2	.014
1968	JUN	9	.362	AUG	1963	12	.028
1968	JUL	8	.252	AUG	1964	1	.045
1968	AUG	11	.093	AUG	1958	18	.057
1968	SEP	23	.136	AUG	1975	20	.057
1967	MAY	31	.558	SEP	1962	5	.020
1967	JUN	6	.362	SEP	1975	1	.054
1967	JUL	24	.074	SEP	1967	1	.068
1967	AUG	30	.074	SEP	1974	8	.074
1967	SEP	1	.068	SEP	1971	6	.076

ALPHA= .0239 QO= .34


02HC019 DUFFIN CREEK ABOVE PICKERING
METHOD 2
ALPHA= 0.0051
QO= 0.49
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02HC006 DUFFIN CREEK AT PICKERING
METHOD 2
ALPHA= 0.0166
QO= 1.10
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HC019 DUFFIN CREEK ABOVE PICKERING
METHOD 1
ALPHA= 0.0051
QO= 0.49
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1962
1964
1966
1965
1969


02HC006 DUFFIN CREEK AT PICKERING
METHOD 1
ALPHA= 0.0166
QO= 1.10
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1953
1949
1962
1964
1965

02HC019 DUFFIN CREEK ABOVE PICKERING

DRAINAGE AREA 93.9 SQ KM NATURAL FLOW

PERIOD OF RECORD 1960-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	18	.099	MAY	1962	18	.099
1962	JUN	4	.396	MAY	1965	30	.496
1962	JUL	1	.467	MAY	1964	23	.530
1962	AUG	20	.467	MAY	1977	31	.544
1962	SEP	16	.487	MAY	1971	31	.549
1964	MAY	23	.530	JUN	1965	25	.368
1964	JUN	30	.371	JUN	1964	30	.371
1964	JUL	7	.388	JUN	1962	4	.396
1964	AUG	2	.354	JUN	1966	28	.439
1964	SEP	15	.485	JUN	1967	6	.439
1966	MAY	30	.614	JUL	1966	22	.275
1966	JUN	28	.439	JUL	1964	7	.388
1966	JUL	22	.275	JUL	1969	20	.416
1966	AUG	1	.303	JUL	1967	19	.419
1966	SEP	2	.439	JUL	1965	2	.436
1963	MAY	30	.496	AUG	1966	1	.303
1963	JUN	25	.368	AUG	1964	2	.354
1963	JUL	2	.436	AUG	1969	29	.382
1963	AUG	16	.436	AUG	1968	9	.402
1963	SEP	16	.476	AUG	1965	16	.436
1969	MAY	31	.580	SEP	1969	2	.379
1969	JUN	29	.521	SEP	1964	15	.485
1969	JUL	20	.416	SEP	1968	1	.419
1969	AUG	29	.382	SEP	1966	2	.439
1969	SEP	2	.379	SEP	1967	21	.459

ALPHA= .0051 QO= .49

02HC006 DUFFIN CREEK AT PICKERING

DRAINAGE AREA 249 SQ KM REGULATED

PERIOD OF RECORD 1949-80

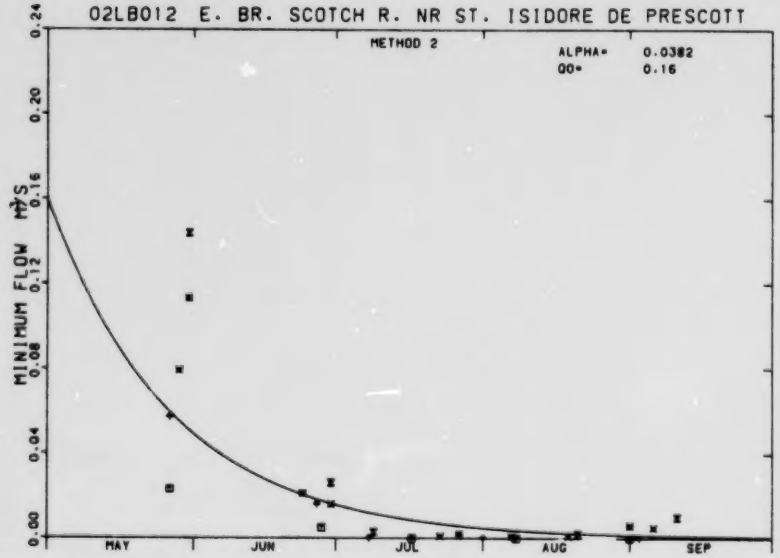
DISCHARGES IN CUBIC METRES PER SECOND

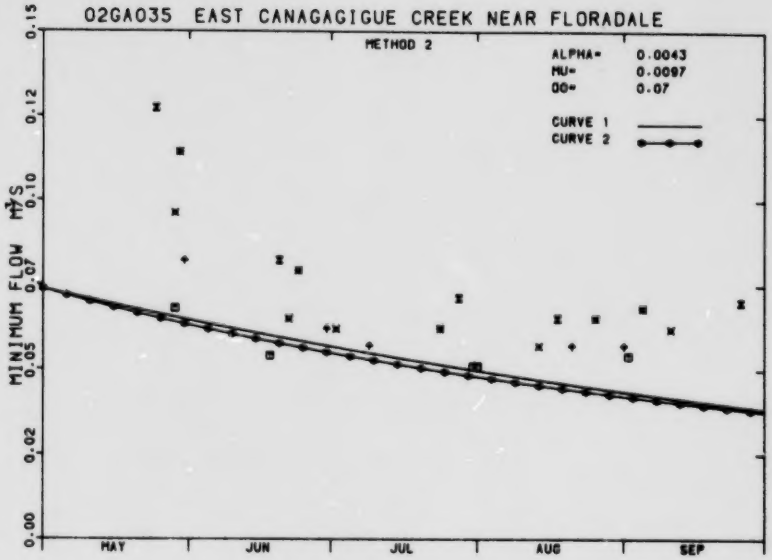
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1953	MAY	13	1.050	MAY	1949	29	.680
1953	JUN	28	.566	MAY	1962	30	.878
1953	JUL	25	.227	MAY	1964	31	.878
1953	AUG	31	0.000	MAY	1965	26	.906
1953	SEP	1	0.000	MAY	1977	28	.966
1949	MAY	29	.680	JUN	1949	29	.396
1949	JUN	29	.396	JUN	1953	28	.566
1949	JUL	9	.340	JUN	1964	21	.572
1949	AUG	15	.368	JUN	1965	21	.623
1949	SEP	7	.425	JUN	1963	30	.651
1962	MAY	30	.878	JUL	1953	25	.227
1962	JUN	29	.765	JUL	1949	9	.340
1962	JUL	15	.595	JUL	1956	21	.340
1962	AUG	27	.481	JUL	1966	17	.436
1962	SEP	4	.481	JUL	1964	1	.549
1964	MAY	31	.878	AUG	1953	31	0.000
1964	JUN	21	.572	AUG	1949	19	.368
1964	JUL	1	.549	AUG	1966	1	.436
1964	AUG	10	.527	AUG	1962	27	.481
1964	SEP	12	.708	AUG	1952	31	.510
1965	MAY	26	.906	SEP	1953	1	0.000
1965	JUN	21	.623	SEP	1949	7	.425
1965	JUL	1	.680	SEP	1956	5	.425
1965	AUG	15	.595	SEP	1962	4	.481
1965	SEP	15	.793	SEP	1969	6	.369

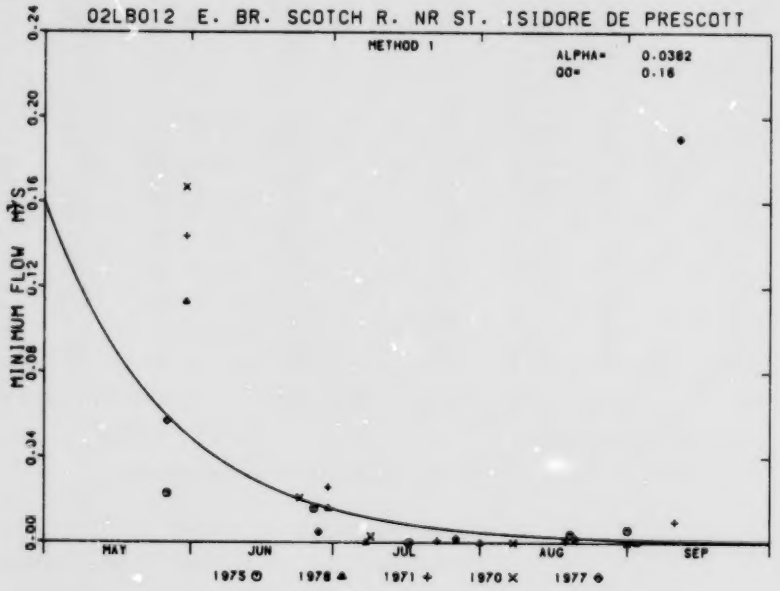
ALPHA= .0166 QO= 1.10

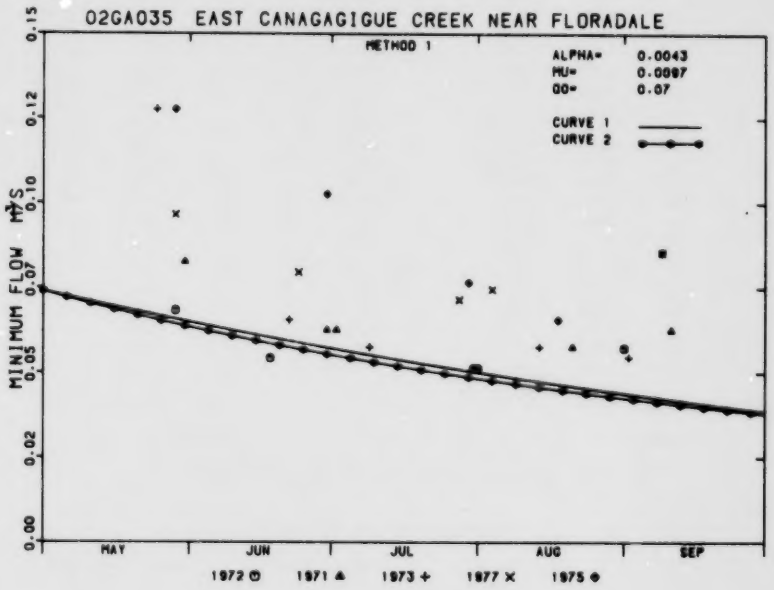
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
1.060	.650	.513	.434	.482


02LB012 E. BR. SCOTCH R. NR ST. ISIDORE DE PRESCOTT
METHOD 2
ALPHA= 0.0382
QO= 0.16
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02GA035 EAST CANAGAGIGUE CREEK NEAR FLORADALE
METHOD 2
ALPHA= 0.0043
MU= 0.0097
QO= 0.07
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.02
0.05
0.07
0.10
0.12
0.15
MAY
JUN
JUL
AUG
SEP


02LB012 E. BR. SCOTCH R. NR ST. ISIDORE DE PRESCOTT
METHOD 1
ALPHA= 0.0382
QO= 0.16
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1978 ▲ 1971 + 1970 × 1977 ◆


02GA035 EAST CANAGAGIGUE CREEK NEAR FLORADALE
METHOD 1
ALPHA= 0.0043
MU= 0.0097
QO= 0.07
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.02
0.05
0.07
0.10
0.12
0.15
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1971 ▲ 1973 + 1977 × 1975 ◆

02LB012 E. BR. SCOTCH R. NR ST. ISIDORE DE PRESCOTT

DRAINAGE AREA 76.7 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	27	.023	MAY	1975	27	.023
1975	JUN	27	.016	MAY	1977	27	.057
1975	JUL	17	0.000	MAY	1972	29	.079
1975	AUG	20	.004	MAY	1978	31	.113
1975	SEP	1	.006	MAY	1971	31	.144
1978	MAY	31	.113	JUN	1977	28	.005
1978	JUN	30	.016	JUN	1975	27	.016
1978	JUL	8	0.000	JUN	1978	30	.016
1978	AUG	1	0.000	JUN	1970	24	.021
1978	SEP	3	0.000	JUN	1971	30	.026
1971	MAY	31	.144	JUL	1975	17	0.000
1971	JUN	30	.026	JUL	1978	8	0.000
1971	JUL	23	.001	JUL	1971	23	.001
1971	AUG	19	.001	JUL	1977	27	.002
1971	SEP	11	.010	JUL	1970	9	.003
1970	MAY	31	.167	AUG	1970	8	0.000
1970	JUN	24	.021	AUG	1978	1	0.000
1970	JUL	9	.003	AUG	1971	19	.001
1970	AUG	8	0.000	AUG	1976	7	.001
1970	SEP	1	0.000	AUG	1977	21	.002
1977	MAY	27	.057	SEP	1970	1	0.000
1977	JUN	28	.005	SEP	1978	3	0.000
1977	JUL	27	.002	SEP	1976	6	.005
1977	AUG	21	.002	SEP	1975	1	.006
1977	SEP	12	.190	SEP	1971	11	.010

ALPHA= .0382 QO= .16

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.239	.027	.002	.001	.006

02GA035 EAST CANAGAGIGUE CREEK NEAR FLORADALE

DRAINAGE AREA 27.7 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

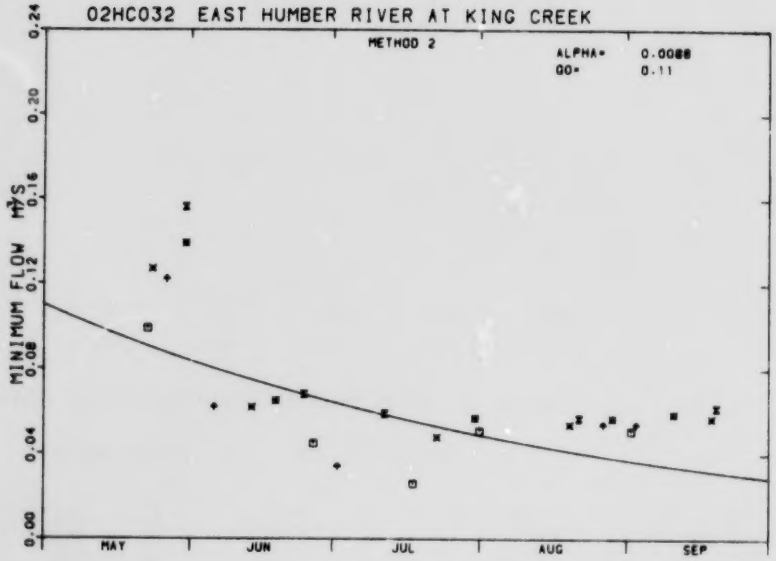
DISCHARGES IN CUBIC METRES PER SECOND

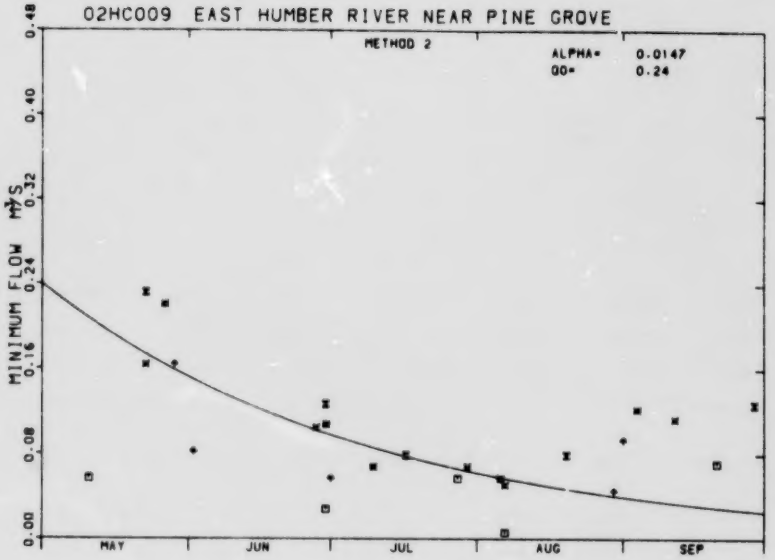
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	29	.068	MAY	1972	29	.068
1972	JUN	18	.054	MAY	1971	31	.082
1972	JUL	31	.051	MAY	1977	29	.096
1972	AUG	1	.051	MAY	1980	30	.114
1972	SEP	1	.057	MAY	1973	25	.127
1971	MAY	31	.082	JUN	1972	18	.054
1971	JUN	30	.062	JUN	1971	30	.062
1971	JUL	2	.062	JUN	1973	22	.065
1971	AUG	21	.057	JUN	1977	24	.079
1971	SEP	11	.062	JUN	1979	20	.082
1973	MAY	25	.127	JUL	1972	31	.051
1973	JUN	22	.065	JUL	1973	9	.057
1973	JUL	9	.057	JUL	1971	2	.062
1973	AUG	14	.057	JUL	1974	24	.062
1973	SEP	2	.054	JUL	1977	28	.071
1977	MAY	29	.096	AUG	1972	1	.051
1977	JUN	24	.079	AUG	1971	21	.057
1977	JUL	28	.071	AUG	1973	14	.057
1977	AUG	4	.074	AUG	1974	26	.068
1977	SEP	9	.085	AUG	1975	18	.069
1975	MAY	29	.127	SEP	1973	2	.054
1975	JUN	30	.102	SEP	1972	1	.057
1975	JUL	30	.076	SEP	1971	11	.062
1975	AUG	18	.065	SEP	1974	5	.068
1975	SEP	9	.085	SEP	1979	26	.070

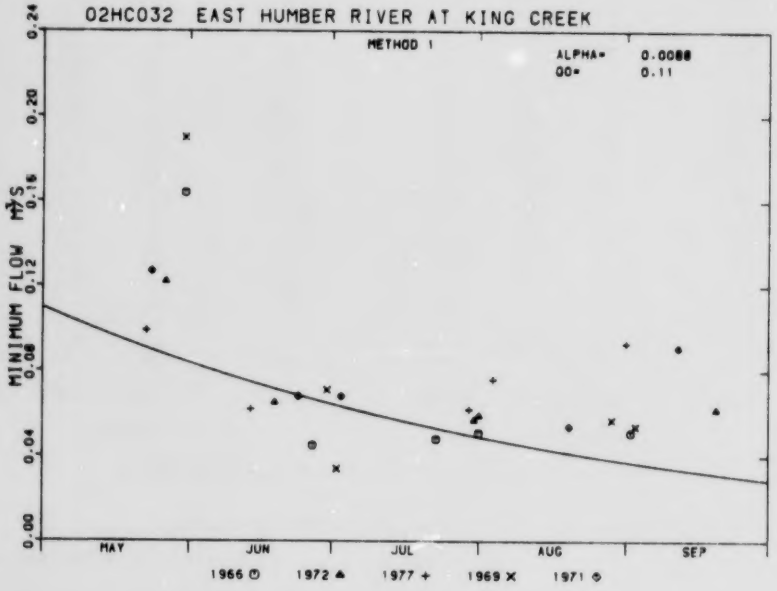
ALPHA= .0043 MU= .0097 QO= .07

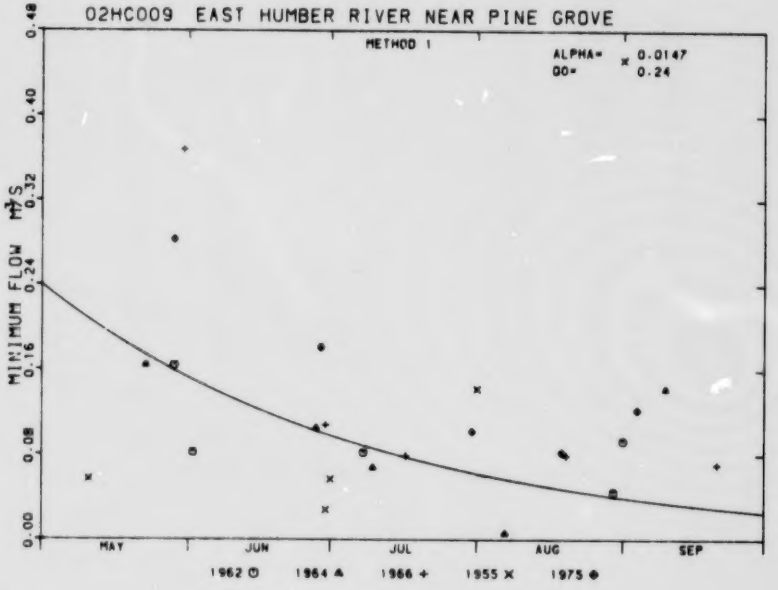
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	184.3	156.5	141.9	124.3	105.5	712.6	2.57
CURVE 2	182.1	151.9	136.8	120.0	102.9	693.7	2.50


02HC032 EAST HUMBER RIVER AT KING CREEK
METHOD 2
ALPHA= 0.0088
QO= 0.11
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02HC009 EAST HUMBER RIVER NEAR PINE GROVE
METHOD 2
ALPHA= 0.0147
QO= 0.24
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02HC032 EAST HUMBER RIVER AT KING CREEK
METHOD 1
ALPHA= 0.0088
QO= 0.11
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1972 ▲ 1977 + 1969 × 1971 ◆


02HC009 EAST HUMBER RIVER NEAR PINE GROVE
METHOD 1
ALPHA= 0.0147
QO= 0.24
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1964 ▲ 1966 + 1955 × 1975 ◆

02HC032 EAST HUMBER RIVER AT KING CREEK

DRAINAGE AREA 94.8 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	31	.164	MAY	1977	23	.099
1966	JUN	27	.045	MAY	1972	27	.122
1966	JUL	23	.048	MAY	1971	24	.127
1966	AUG	1	.051	MAY	1967	31	.139
1966	SEP	2	.051	MAY	1980	31	.136
1972	MAY	27	.122	JUN	1966	27	.045
1972	JUN	19	.065	JUN	1967	6	.062
1972	JUL	31	.057	JUN	1977	14	.062
1972	AUG	1	.059	JUN	1972	19	.065
1972	SEP	20	.062	JUN	1970	25	.068
1977	MAY	23	.099	JUL	1974	18	.026
1977	JUN	14	.062	JUL	1969	2	.034
1977	JUL	30	.062	JUL	1966	23	.048
1977	AUG	4	.076	JUL	1972	31	.057
1977	SEP	1	.093	JUL	1970	12	.059
1969	MAY	31	.190	AUG	1966	1	.051
1969	JUN	30	.071	AUG	1970	27	.054
1969	JUL	2	.034	AUG	1971	20	.054
1969	AUG	29	.057	AUG	1969	29	.057
1969	SEP	3	.054	AUG	1974	22	.057
1971	MAY	24	.127	SEP	1966	2	.051
1971	JUN	24	.068	SEP	1969	3	.054
1971	JUL	3	.068	SEP	1973	19	.057
1971	AUG	20	.054	SEP	1970	11	.059
1971	SEP	12	.091	SEP	1972	20	.062

ALPHA= .0088 QO= .11

02HC009 EAST HUMBER RIVER NEAR PINE GROVE

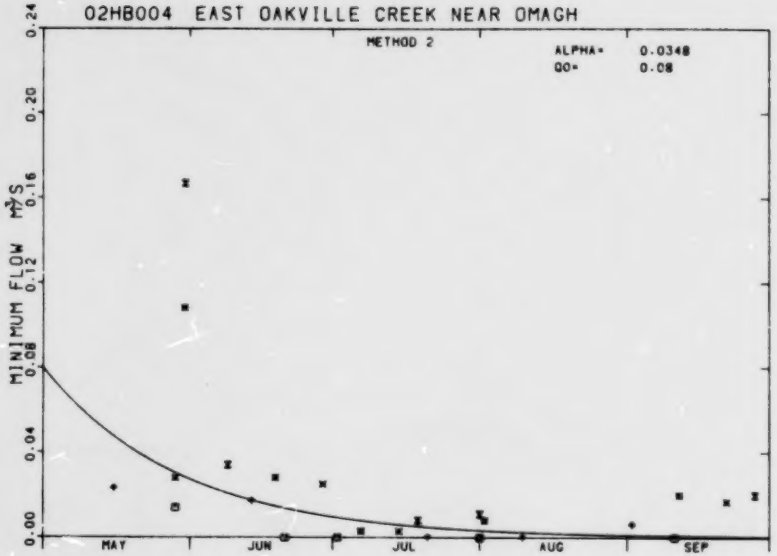
DRAINAGE AREA 197 SQ KM NATURAL FLOW

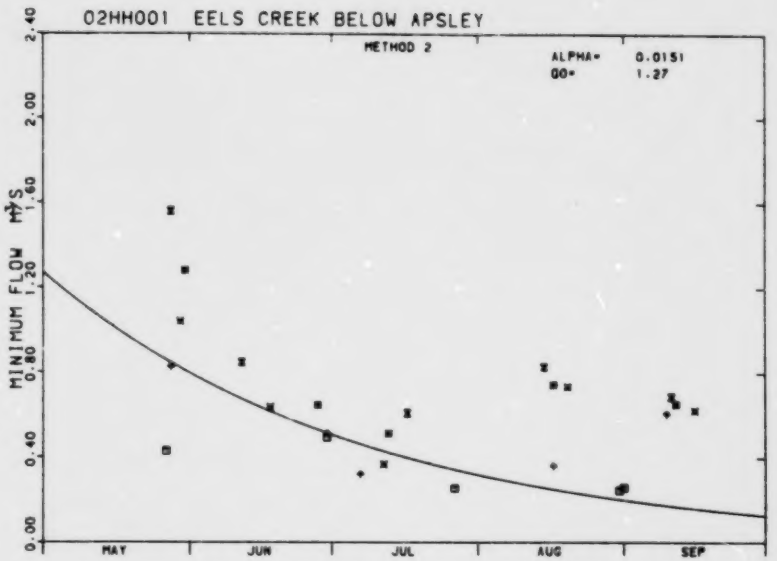
PERIOD OF RECORD 1953-80

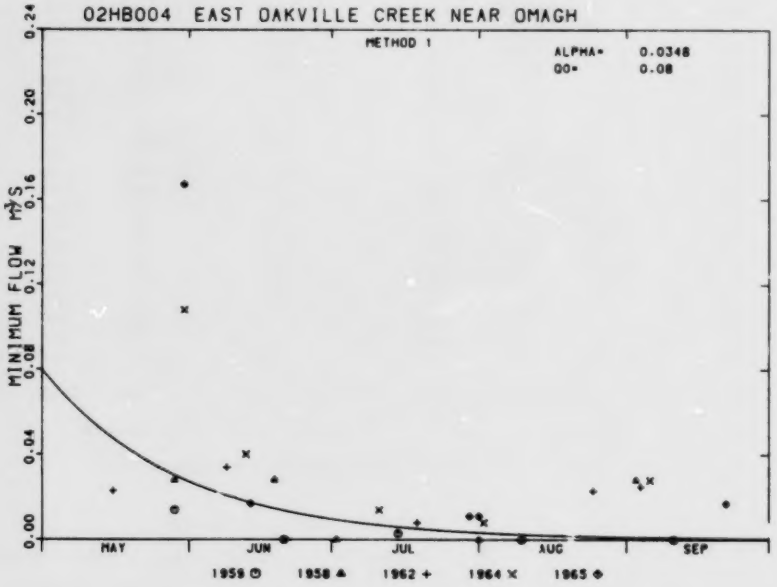
DISCHARGES IN CUBIC METRES PER SECOND

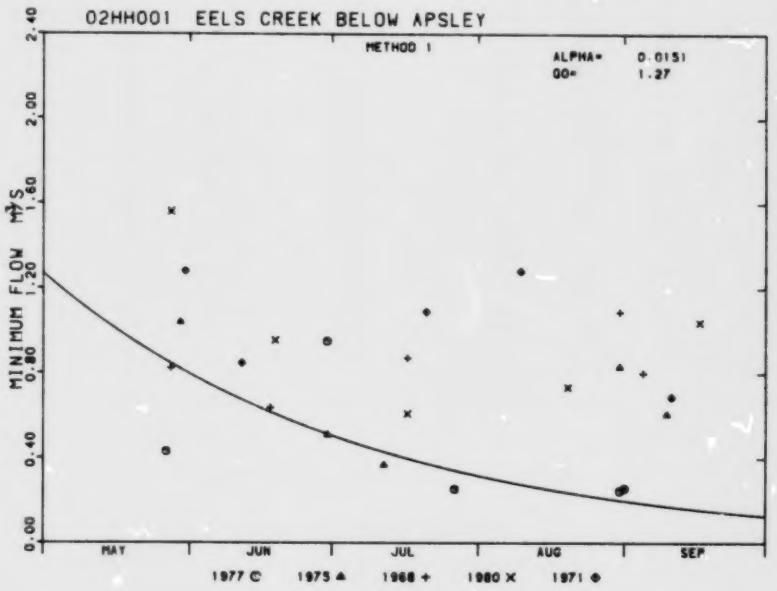
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	29	.164	MAY	1955	11	.057
1962	JUN	2	.082	MAY	1962	29	.164
1962	JUL	8	.082	MAY	1964	23	.164
1962	AUG	30	.045	MAY	1972	27	.221
1962	SEP	1	.093	MAY	1977	23	.232
1964	MAY	23	.164	JUN	1955	30	.028
1964	JUN	28	.105	JUN	1962	2	.082
1964	JUL	10	.068	JUN	1964	28	.105
1964	AUG	7	.006	JUN	1966	30	.108
1964	SEP	10	.142	JUN	1963	30	.127
1966	MAY	31	.368	JUL	1954	28	.057
1966	JUN	30	.108	JUL	1955	1	.057
1966	JUL	17	.079	JUL	1963	30	.068
1966	AUG	20	.079	JUL	1964	10	.068
1966	SEP	21	.071	JUL	1966	17	.079
1955	MAY	11	.057	AUG	1964	7	.006
1955	JUN	30	.028	AUG	1962	30	.045
1955	JUL	1	.057	AUG	1963	7	.051
1955	AUG	1	.142	AUG	1954	6	.057
1955	SEP	1	.453	AUG	1966	20	.079
1975	MAY	29	.283	SEP	1966	21	.071
1975	JUN	29	.181	SEP	1962	1	.093
1975	JUL	31	.102	SEP	1954	12	.113
1975	AUG	19	.082	SEP	1975	4	.122
1975	SEP	4	.122	SEP	1963	29	.127

ALPHA= .0147 QO= .24


02HB004 EAST OAKVILLE CREEK NEAR OMAGH
METHOD 2
ALPHA= 0.0348
QO= 0.08
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02HH001 EELS CREEK BELOW APSLEY
METHOD 2
ALPHA= 0.0151
QO= 1.27
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02HB004 EAST OAKVILLE CREEK NEAR OMAGH
METHOD 1
ALPHA= 0.0348
QO= 0.08
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1959 ⊙ 1958 ▲ 1962 + 1964 × 1965 ◆


02HH001 EELS CREEK BELOW APSLEY
METHOD 1
ALPHA= 0.0151
QO= 1.27
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1968 + 1980 × 1971 ◆

02HB004 EAST OAKVILLE CREEK NEAR ONAGH

DRAINAGE AREA 199 SQ KM NATURAL FLOW

PERIOD OF RECORD 1956-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1959	MAY	29	.014	MAY	1959	29	.014
1959	JUN	21	0.000	MAY	1962	16	.023
1959	JUL	15	.003	MAY	1958	29	.028
1959	AUG	10	0.000	MAY	1964	31	.108
1959	SEP	11	0.000	MAY	1965	31	.167
1958	MAY	29	.028	JUN	1959	21	0.000
1958	JUN	19	.028	JUN	1965	14	.017
1958	JUL	2	0.000	JUN	1963	29	.025
1958	AUG	1	0.000	JUN	1958	19	.028
1958	SEP	3	.028	JUN	1962	9	.034
1962	MAY	16	.023	JUL	1958	2	0.000
1962	JUN	9	.034	JUL	1966	21	0.000
1962	JUL	19	.008	JUL	1959	15	.003
1962	AUG	25	.023	JUL	1961	7	.003
1962	SEP	4	.025	JUL	1962	19	.008
1964	MAY	31	.108	AUG	1958	1	0.000
1964	JUN	13	.040	AUG	1959	10	0.000
1964	JUL	11	.014	AUG	1966	1	0.000
1964	AUG	2	.008	AUG	1964	2	.010
1964	SEP	6	.028	AUG	1960	1	.011
1965	MAY	31	.167	SEP	1959	11	0.000
1965	JUN	14	.017	SEP	1966	2	.006
1965	JUL	30	.011	SEP	1965	22	.017
1965	AUG	1	.011	SEP	1960	12	.020
1965	SEP	22	.017	SEP	1963	28	.020

ALPHA= .0348 QO= .08

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.150	.067	.010	.019	.017

02HH001 EELS CREEK BELOW APSLEY

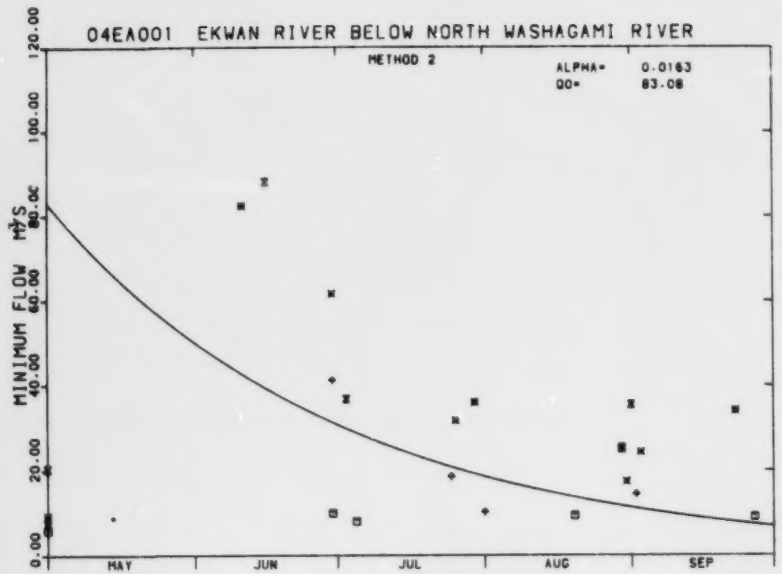
DRAINAGE AREA 241 SQ KM REGULATED

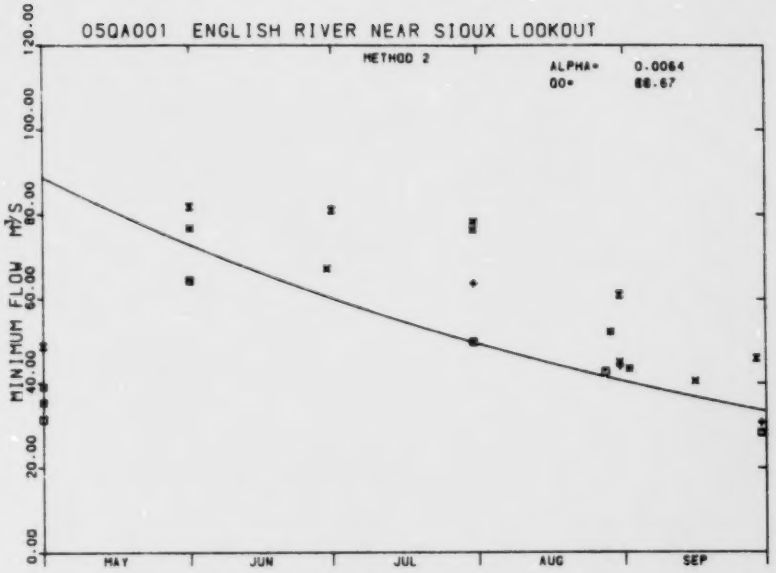
PERIOD OF RECORD 1967-80

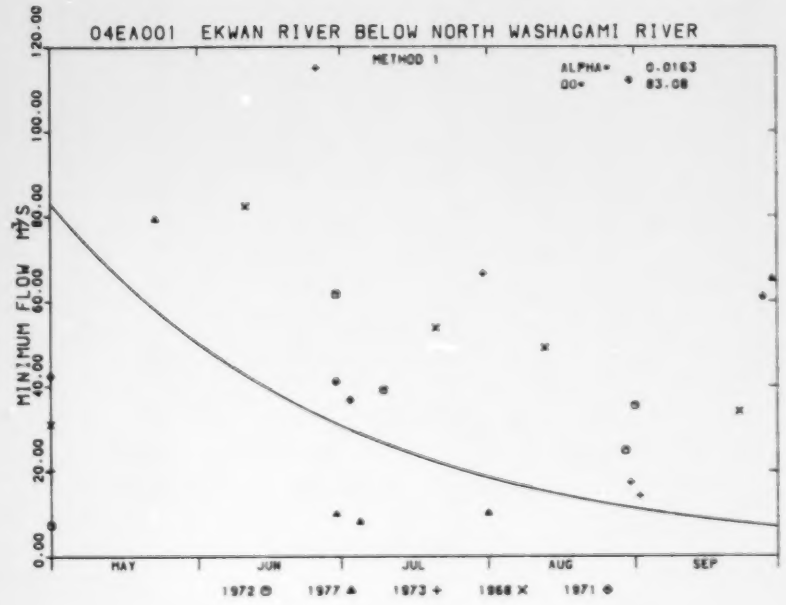
DISCHARGES IN CUBIC METRES PER SECOND

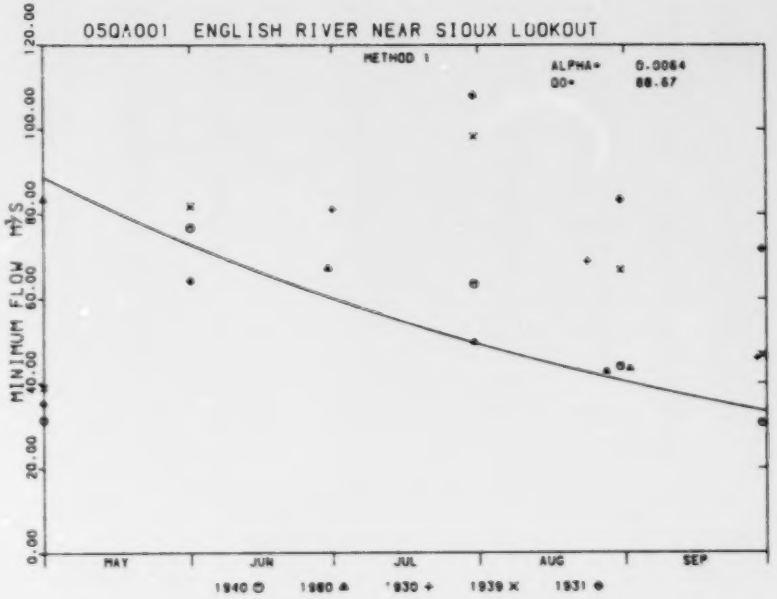
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	27	.43	MAY	1977	27	.43
1977	JUN	30	.95	MAY	1968	28	.82
1977	JUL	27	.26	MAY	1975	30	1.04
1977	AUG	31	.25	MAY	1971	31	1.28
1977	SEP	1	.26	MAY	1980	28	1.56
1975	MAY	30	1.04	JUN	1978	30	.49
1975	JUN	30	.51	JUN	1975	30	.51
1975	JUL	12	.37	JUN	1968	18	.64
1975	AUG	31	.83	JUN	1974	28	.65
1975	SEP	10	.61	JUN	1971	12	.85
1968	MAY	28	.82	JUL	1977	27	.26
1968	JUN	18	.64	JUL	1978	7	.32
1968	JUL	17	.87	JUL	1975	12	.37
1968	AUG	31	1.09	JUL	1974	13	.51
1968	SEP	5	.80	JUL	1980	17	.61
1980	MAY	28	1.56	AUG	1977	31	.25
1980	JUN	19	.96	AUG	1973	17	.36
1980	JUL	17	.61	AUG	1980	20	.73
1980	AUG	20	.73	AUG	1979	17	.74
1980	SEP	17	1.04	AUG	1974	19	.83
1971	MAY	31	1.28	SEP	1977	1	.26
1971	JUN	12	.85	SEP	1975	10	.61
1971	JUL	21	1.09	SEP	1973	16	.62
1971	AUG	10	1.28	SEP	1979	12	.65
1971	SEP	11	.69	SEP	1971	11	.69

ALPHA= .0151 QO= 1.27


04EA001 EKWAN RIVER BELOW NORTH WASHAGAMI RIVER
METHOD 2
ALPHA= 0.0163
Q0= 83.08
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


05QA001 ENGLISH RIVER NEAR SIOUX LOOKOUT
METHOD 2
ALPHA= 0.0064
Q0= 88.67
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


04EA001 EKWAN RIVER BELOW NORTH WASHAGAMI RIVER
METHOD 1
ALPHA= 0.0163
Q0= 83.08
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1972
1977
1973
1968
1971


05QA001 ENGLISH RIVER NEAR SIOUX LOOKOUT
METHOD 1
ALPHA= 0.0064
Q0= 88.67
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1940
1980
1930
1939
1931

04EA001 EKWAN RIVER BELOW NORTH WASHAGAMI RIVER

DRAINAGE AREA 10400 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	1	7.42	MAY	1978	1	5.95
1972	JUN	30	61.70	MAY	1974	1	6.74
1972	JUL	10	39.10	MAY	1972	1	7.42
1972	AUG	30	24.80	MAY	1970	1	9.34
1972	SEP	1	35.40	MAY	1973	1	20.40
1977	MAY	23	79.30	JUN	1977	30	10.00
1977	JUN	30	10.00	JUN	1971	30	41.10
1977	JUL	5	8.07	JUN	1972	30	61.70
1977	AUG	1	10.20	JUN	1968	11	82.40
1977	SEP	30	65.10	JUN	1975	16	88.10
1973	MAY	1	20.40	JUL	1977	5	8.07
1973	JUN	26	115.00	JUL	1976	25	18.50
1973	JUL	31	66.50	JUL	1974	26	31.70
1973	AUG	31	17.30	JUL	1970	30	36.00
1973	SEP	2	14.20	JUL	1971	3	36.80
1968	MAY	1	31.10	AUG	1976	20	9.37
1968	JUN	11	82.40	AUG	1977	1	10.20
1968	JUL	21	53.80	AUG	1973	31	17.30
1968	AUG	13	49.00	AUG	1972	30	24.80
1968	SEP	23	34.00	AUG	1980	30	25.30
1971	MAY	1	42.50	SEP	1976	27	9.06
1971	JUN	30	41.10	SEP	1973	2	14.20
1971	JUL	3	36.80	SEP	1980	3	24.20
1971	AUG	31	112.00	SEP	1968	23	34.00
1971	SEP	28	60.90	SEP	1972	1	35.40

ALPHA= .0163 QO= 83.08

05QA001 ENGLISH RIVER NEAR SIOUX LOOKOUT

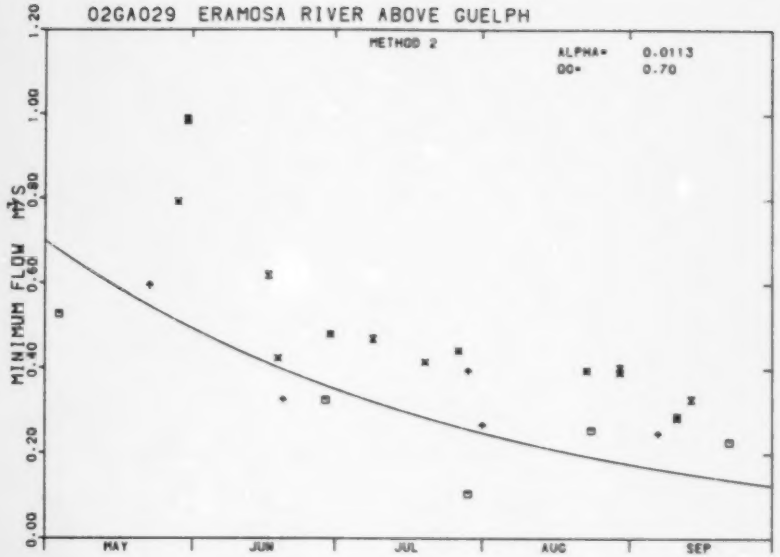
DRAINAGE AREA 13900 SQ KM NATURAL FLOW

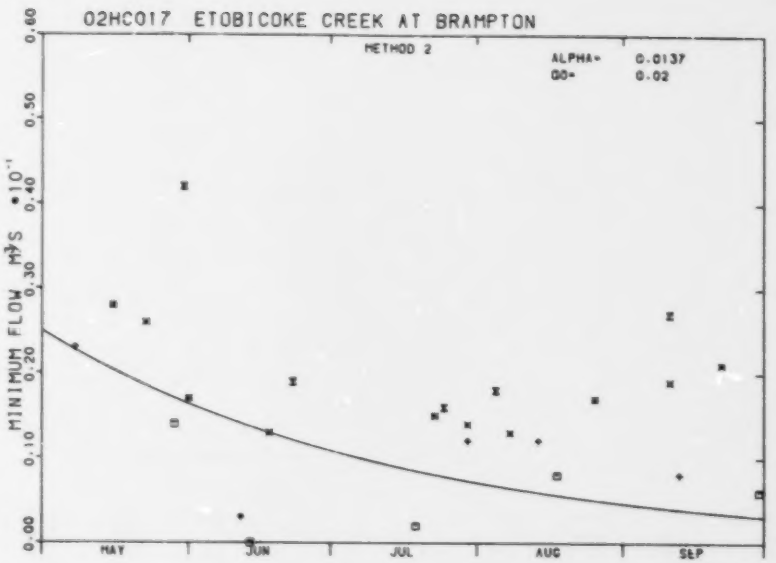
PERIOD OF RECORD 1921-80

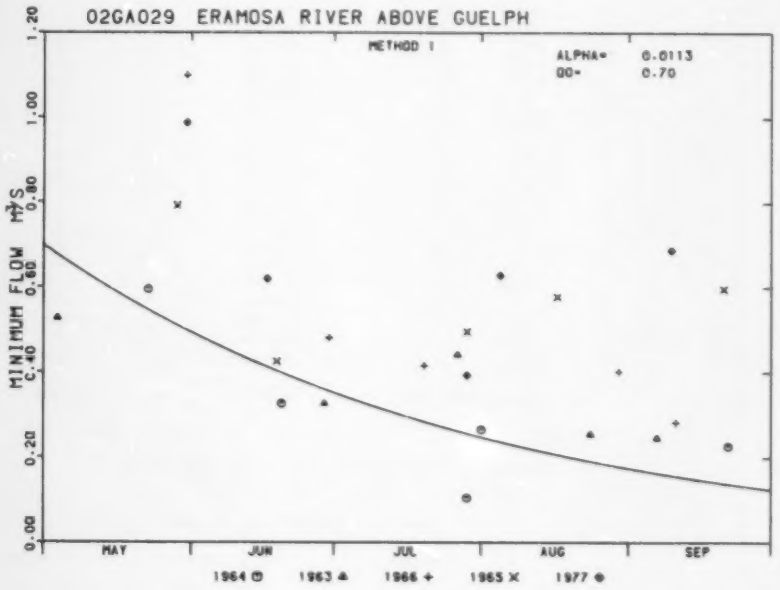
DISCHARGES IN CUBIC METRES PER SECOND

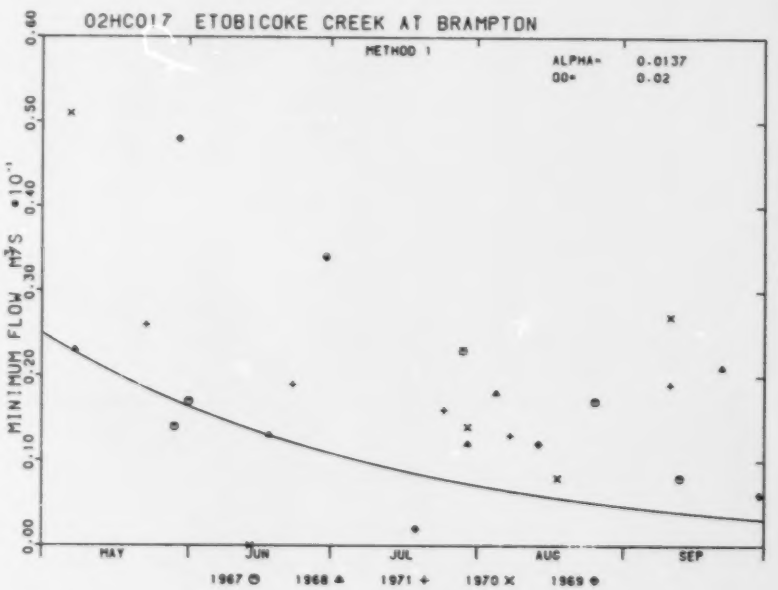
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1940	MAY	1	31.40	MAY	1940	1	31.40
1940	JUN	1	76.70	MAY	1930	1	39.40
1940	JUL	31	63.40	MAY	1931	1	35.40
1940	AUG	31	43.90	MAY	1939	1	39.10
1940	SEP	30	30.60	MAY	1977	1	48.70
1980	MAY	1	83.30	JUN	1930	1	64.30
1980	JUN	30	67.10	JUN	1931	1	64.30
1980	JUL	31	49.70	JUN	1980	30	67.10
1980	AUG	28	42.70	JUN	1940	1	76.70
1980	SEP	2	43.40	JUN	1939	1	81.80
1930	MAY	1	35.40	JUL	1980	31	49.70
1930	JUN	1	64.30	JUL	1940	31	63.40
1930	JUL	1	81.80	JUL	1976	31	70.20
1930	AUG	24	68.80	JUL	1933	31	70.20
1930	SEP	29	45.90	JUL	1930	1	81.00
1939	MAY	1	39.10	AUG	1980	28	42.70
1939	JUN	1	81.80	AUG	1940	31	43.90
1939	JUL	31	98.30	AUG	1976	31	45.00
1939	AUG	31	66.80	AUG	1933	29	52.10
1939	SEP	30	46.70	AUG	1936	31	60.90
1931	MAY	1	35.40	SEP	1976	30	26.30
1931	JUN	1	64.30	SEP	1940	30	30.60
1931	JUL	31	108.00	SEP	1933	16	40.30
1931	AUG	31	83.30	SEP	1980	2	43.40
1931	SEP	30	71.60	SEP	1930	29	45.90

ALPHA= .0064 QO= 88.67


02GA029 ERAMOSA RIVER ABOVE GUELPH
METHOD 2
ALPHA= 0.0113
QO= 0.70
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HC017 ETOBICOKE CREEK AT BRAMPTON
METHOD 2
ALPHA= 0.0137
QO= 0.02
MINIMUM FLOW M³/S •10⁻¹
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02GA029 ERAMOSA RIVER ABOVE GUELPH
METHOD 1
ALPHA= 0.0113
QO= 0.70
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1964 ○ 1963 △ 1966 + 1965 × 1977 ●


02HC017 ETOBICOKE CREEK AT BRAMPTON
METHOD 1
ALPHA= 0.0137
QO= 0.02
MINIMUM FLOW M³/S •10⁻¹
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1967 ○ 1968 △ 1971 + 1970 × 1969 ●

02GA029 ERAMOSA RIVER ABOVE GUELPH

DRAINAGE AREA 236 SQ KM REGULATED

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	23	.595	MAY	1963	4	.527
1964	JUN	20	.326	MAY	1964	23	.595
1964	JUL	29	.105	MAY	1965	29	.793
1964	AUG	1	.266	MAY	1967	31	.983
1964	SEP	22	.227	MAY	1977	31	.988
1963	MAY	4	.527	JUN	1963	29	.326
1963	JUN	29	.326	JUN	1964	20	.326
1963	JUL	27	.442	JUN	1965	19	.425
1963	AUG	24	.255	JUN	1966	30	.481
1963	SEP	7	.246	JUN	1977	17	.620
1966	MAY	31	1.100	JUL	1964	29	.105
1966	JUN	30	.481	JUL	1977	29	.394
1966	JUL	20	.416	JUL	1966	20	.416
1966	AUG	30	.602	JUL	1963	27	.442
1966	SEP	11	.283	JUL	1975	9	.470
1965	MAY	29	.793	AUG	1963	24	.255
1965	JUN	19	.425	AUG	1964	1	.266
1965	JUL	29	.496	AUG	1973	30	.391
1965	AUG	17	.578	AUG	1975	23	.396
1965	SEP	21	.397	AUG	1966	30	.402
1977	MAY	31	.988	SEP	1964	22	.227
1977	JUN	17	.620	SEP	1963	7	.246
1977	JUL	29	.394	SEP	1966	11	.283
1977	AUG	5	.629	SEP	1973	11	.289
1977	SEP	10	.688	SEP	1969	14	.328

ALPHA= .0113 QO= .70

02HC017 ETOBICOKE CREEK AT BRAMPTON

DRAINAGE APEA 63.2 SQ KM NATURAL FLOW

PERIOD OF RECORD 1957-80

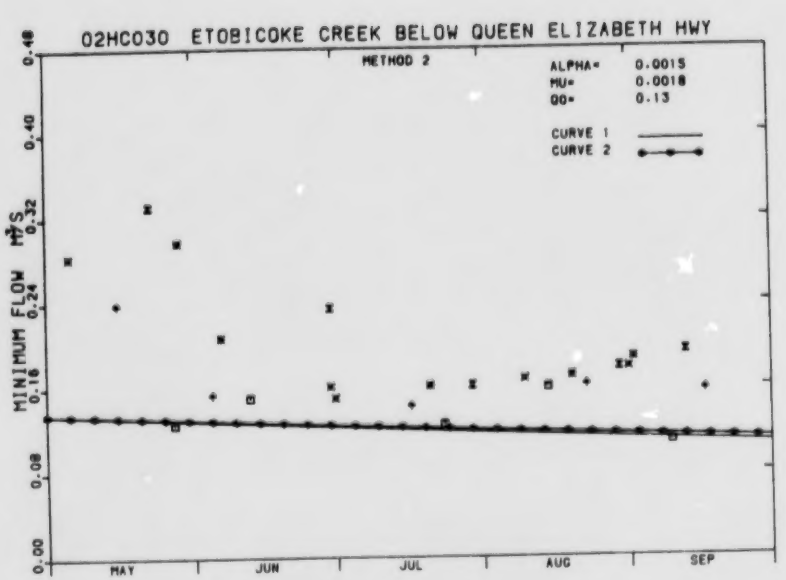
DISCHARGES IN CUBIC METRES PER SECOND

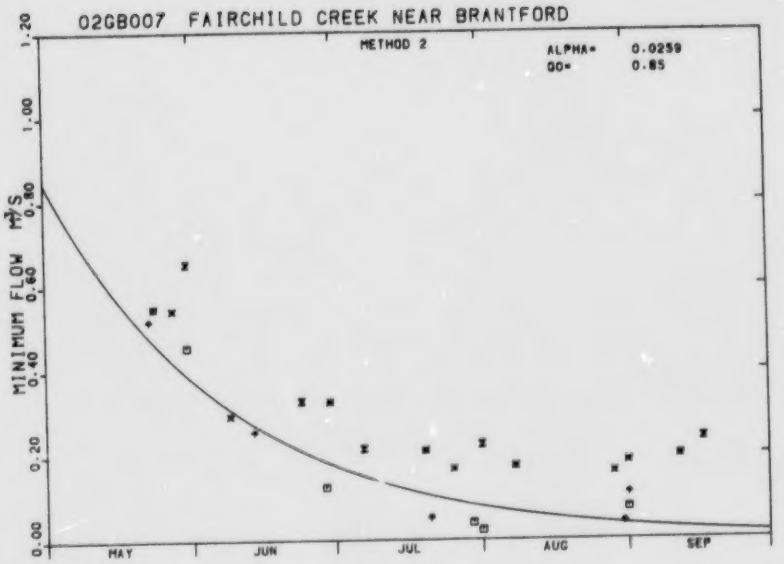
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1967	MAY	29	.014	MAY	1967	29	.014
1967	JUN	1	.017	MAY	1968	8	.023
1967	JUL	29	.023	MAY	1971	23	.026
1967	AUG	26	.017	MAY	1977	16	.028
1967	SEP	13	.008	MAY	1972	31	.042
1968	MAY	8	.023	J N	1970	14	0.000
1968	JUN	18	.013	JUN	1977	12	.003
1968	JUL	30	.012	JUN	1968	18	.013
1968	AUG	5	.018	JUN	1967	1	.017
1968	SEP	22	.021	JUN	1971	23	.019
1971	MAY	23	.026	JUL	1969	19	.002
1971	JUN	23	.019	JUL	1968	30	.012
1971	JUL	25	.016	JUL	1970	30	.014
1971	AUG	8	.013	JUL	1976	23	.015
1971	SEP	11	.019	JUL	1971	25	.016
1970	MAY	7	.051	AUG	1970	18	.008
1970	JUN	14	0.000	AUG	1969	14	.012
1970	JUL	30	.014	AUG	1971	8	.013
1970	AUG	18	.008	AUG	1967	26	.017
1970	SEP	11	.027	AUG	1968	5	.018
1969	MAY	30	.048	SEP	1969	30	.006
1969	JUN	30	.034	SEP	1967	13	.008
1969	JUL	19	.002	SEP	1971	11	.019
1969	AUG	14	.012	SEP	1968	22	.021
1969	SEP	30	.006	SEP	1970	11	.027

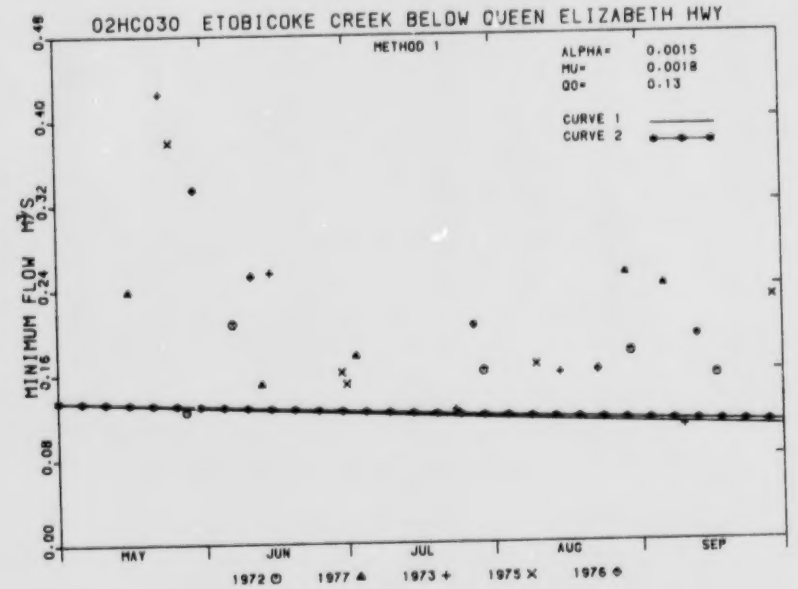
ALPHA= .0137 QO= .03

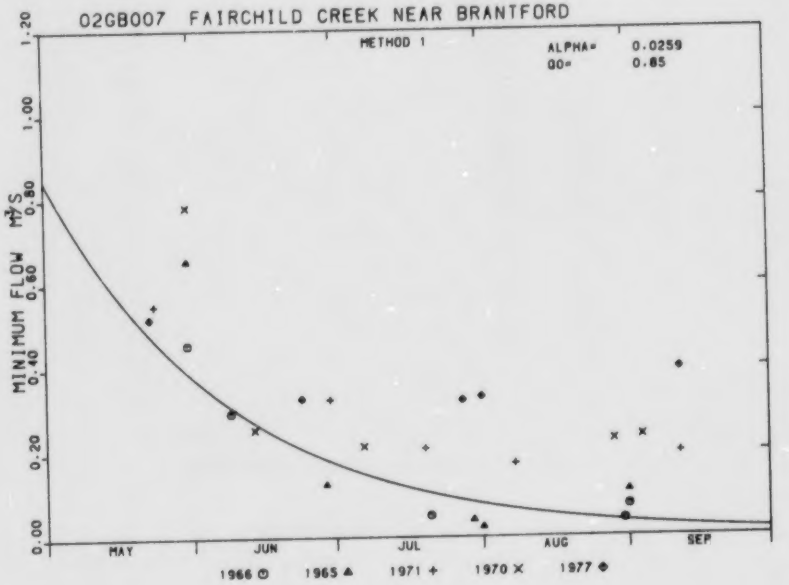
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.070	.026	.049	.042	.013


02HC030 ETOBICOKE CREEK BELOW QUEEN ELIZABETH HWY
METHOD 2
ALPHA= 0.0015
MU= 0.0018
QO= 0.13
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02GB007 FAIRCHILD CREEK NEAR BRANTFORD
METHOD 2
ALPHA= 0.0259
QO= 0.85
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HC030 ETOBICOKE CREEK BELOW QUEEN ELIZABETH HWY
METHOD 1
ALPHA= 0.0015
MU= 0.0018
QO= 0.13
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1972
1977
1973
1975
1976


02GB007 FAIRCHILD CREEK NEAR BRANTFORD
METHOD 1
ALPHA= 0.0259
QO= 0.85
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1966
1965
1971
1970
1977

02HC030 ETOBICOKE CREEK BELOW QUEEN ELIZABETH HWY

DRAINAGE AREA 204 SQ KM NATURAL FLOW

PERIOD OF RECORD 1964-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	28	.125	MAY	1972	28	.125
1972	JUN	7	.207	MAY	1977	16	.238
1972	JUL	30	.161	MAY	1968	6	.283
1972	AUG	30	.178	MAY	1967	29	.297
1972	SEP	17	.156	MAY	1971	23	.331
1977	MAY	16	.238	JUN	1977	13	.150
1977	JUN	13	.150	JUN	1967	5	.153
1977	JUL	3	.176	JUN	1975	30	.161
1977	AUG	29	.252	JUN	1972	7	.207
1977	SEP	6	.241	JUN	1969	30	.235
1973	MAY	23	.425	JUL	1973	24	.125
1973	JUN	19	.255	JUL	1978	17	.142
1973	JUL	24	.125	JUL	1975	1	.150
1973	AUG	15	.159	JUL	1969	21	.161
1973	SEP	10	.108	JUL	1972	30	.161
1975	MAY	25	.379	AUG	1973	15	.159
1975	JUN	30	.161	AUG	1976	23	.161
1975	JUL	1	.150	AUG	1975	10	.167
1975	AUG	10	.167	AUG	1974	20	.170
1975	SEP	29	.229	AUG	1972	30	.178
1976	MAY	30	.334	SEP	1973	10	.108
1976	JUN	11	.252	SEP	1972	17	.156
1976	JUL	28	.204	SEP	1974	1	.178
1976	AUG	23	.161	SEP	1978	2	.187
1976	SEP	13	.193	SEP	1976	13	.193

ALPHA= .0015 MU= .0018 QO= .13

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	352.6	325.7	321.3	306.5	283.2	1589.4	.78
CURVE 2	353.6	328.7	326.6	314.0	292.6	1615.6	.79

02GB007 FAIRCHILD CREEK NEAR BRANTFORD

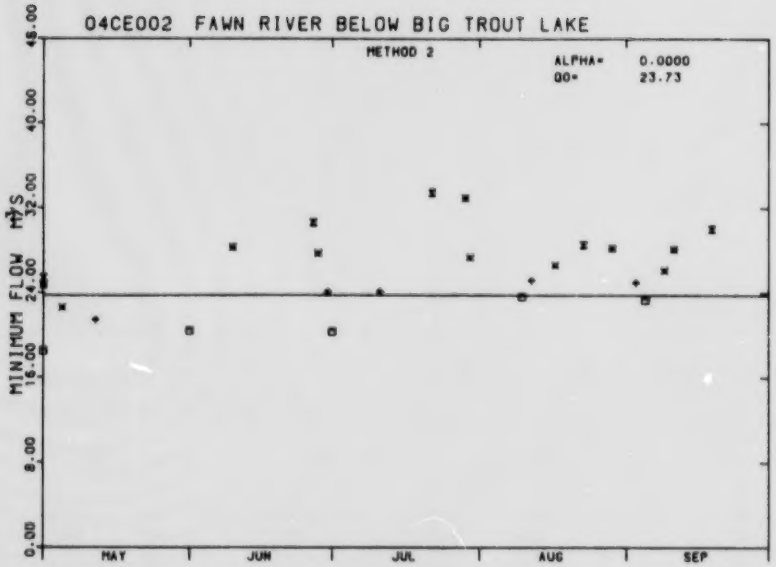
DRAINAGE AREA 360 SQ KM NATURAL FLOW

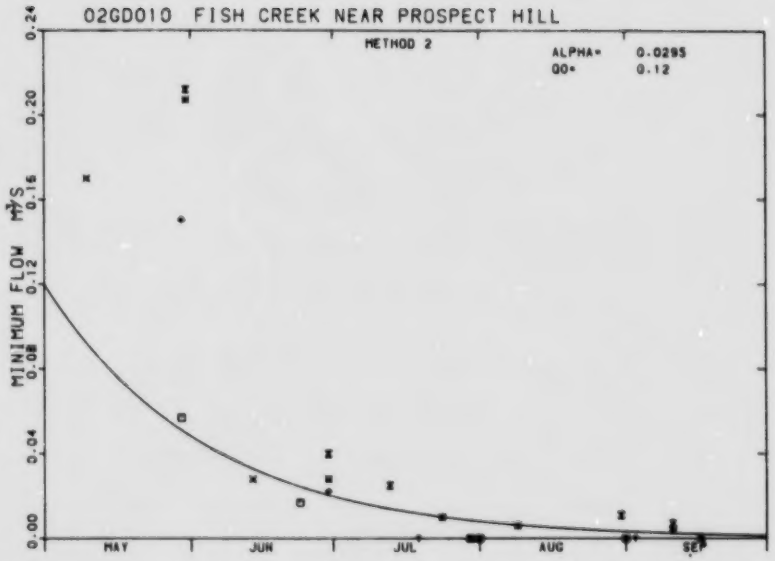
PERIOD OF RECORD 1964-80

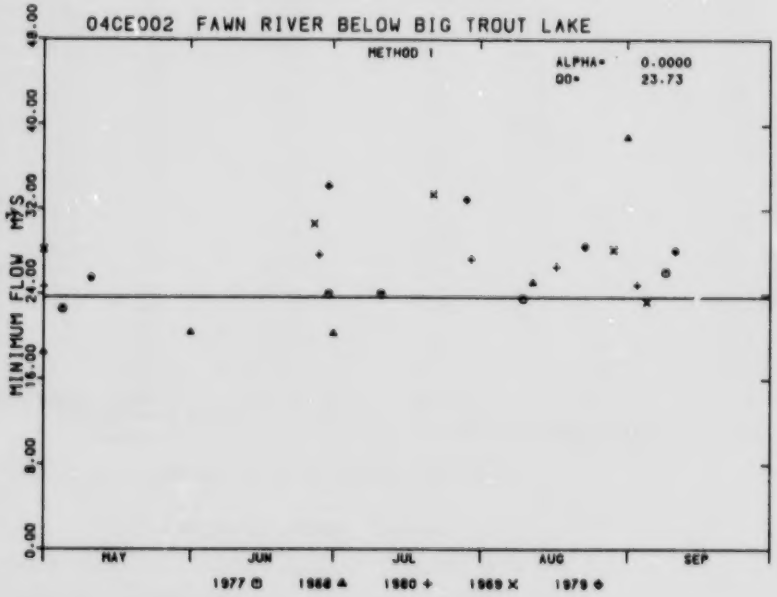
DISCHARGES IN CUBIC METRES PER SECOND

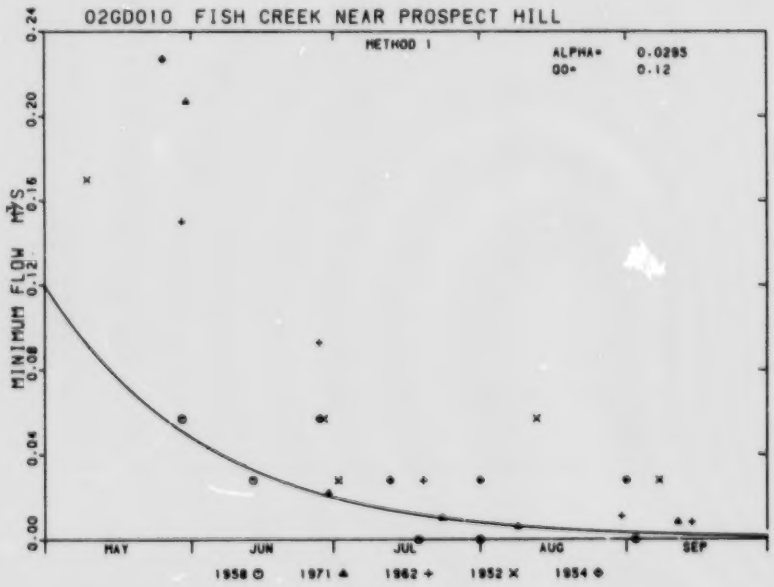
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	31	.456	MAY	1966	31	.456
1966	JUN	9	.294	MAY	1977	23	.518
1966	JUL	21	.091	MAY	1975	28	.544
1966	AUG	31	.040	MAY	1971	24	.549
1966	SEP	1	.074	MAY	1965	31	.654
1965	MAY	31	.654	JUN	1965	29	.125
1965	JUN	29	.125	JUN	1970	14	.255
1965	JUL	30	.040	JUN	1966	9	.294
1965	AUG	1	.023	JUN	1971	30	.328
1965	SEP	1	.108	JUN	1977	24	.328
1971	MAY	24	.549	JUL	1965	30	.040
1971	JUN	30	.326	JUL	1966	21	.051
1971	JUL	20	.210	JUL	1974	26	.167
1971	AUG	8	.173	JUL	1971	20	.210
1971	SEP	12	.198	JUL	1970	7	.215
1970	MAY	31	.782	AUG	19[illegible]	1	.023
1970	JUN	14	.255	AUG	1966	31	.040
1970	JUL	7	.215	AUG	1969	29	.159
1970	AUG	29	.229	AUG	1971	8	.173
1970	SEP	4	.238	AUG	1968	1	.224
1977	MAY	23	.518	SEP	1966	1	.074
1977	JUN	24	.328	SEP	1965	1	.108
1977	JUL	28	.[illegible]29	SEP	1969	1	.184
1977	AUG	1	.831	SEP	1971	12	.198
1977	SEP	12	.396	SEP	1967	17	.238

ALPHA= .0239 QO= .85


04CE002 FAWN RIVER BELOW BIG TROUT LAKE
METHOD 2
ALPHA= 0.0000
QO= 23.73
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02GD010 FISH CREEK NEAR PROSPECT HILL
METHOD 2
ALPHA= 0.0295
QO= 0.12
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


04CE002 FAWN RIVER BELOW BIG TROUT LAKE
METHOD 1
ALPHA= 0.0000
QO= 23.73
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1977
1968
1980
1969
1979


02GD010 FISH CREEK NEAR PROSPECT HILL
METHOD 1
ALPHA= 0.0295
QO= 0.12
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1958
1971
1962
1952
1954

04CE002 FAWN RIVER BELOW BIG TROUT LAKE

DRAINAGE AREA 4350 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	9	22.60	MAY	1968	1	18.50
1977	JUN	30	24.00	MAY	1978	12	21.40
1977	JUL	11	24.00	MAY	1977	9	22.60
1977	AUG	10	23.60	MAY	1980	1	24.70
1977	SEP	9	26.10	MAY	1975	1	25.40
1968	MAY	1	18.50	JUN	1968	1	20.40
1968	JUN	1	20.40	JUN	1977	30	24.00
1968	JUL	1	20.30	JUN	1980	28	27.70
1968	AUG	12	25.10	JUN	1978	10	28.30
1968	SEP	1	30.80	JUN	1969	27	30.60
1980	MAY	1	24.70	JUL	1968	1	20.30
1980	JUN	28	27.70	JUL	1977	11	24.00
1980	JUL	30	27.30	JUL	1980	30	27.30
1980	AUG	17	26.60	JUL	1979	29	32.90
1980	SEP	3	24.90	JUL	1969	22	33.40
1969	MAY	1	28.20	AUG	1977	10	23.60
1969	JUN	27	30.60	AUG	1968	12	29.10
1969	JUL	22	33.40	AUG	1980	17	26.60
1969	AUG	29	28.20	AUG	1969	29	28.20
1969	SEP	5	23.30	AUG	1979	23	28.50
1979	MAY	11	25.50	SEP	1969	5	23.30
1979	JUN	30	34.20	SEP	1980	3	24.90
1979	JUL	29	32.90	SEP	1977	9	26.10
1979	AUG	23	28.50	SEP	1979	11	28.10
1979	SEP	11	28.10	SEP	1972	19	30.00

ALPHA= .0000 QO= 23.73

02GD010 FISH CREEK NEAR PROSPECT HILL

DRAINAGE AREA 150 SQ KM NATURAL FLOW

PERIOD OF RECORD 1949-80

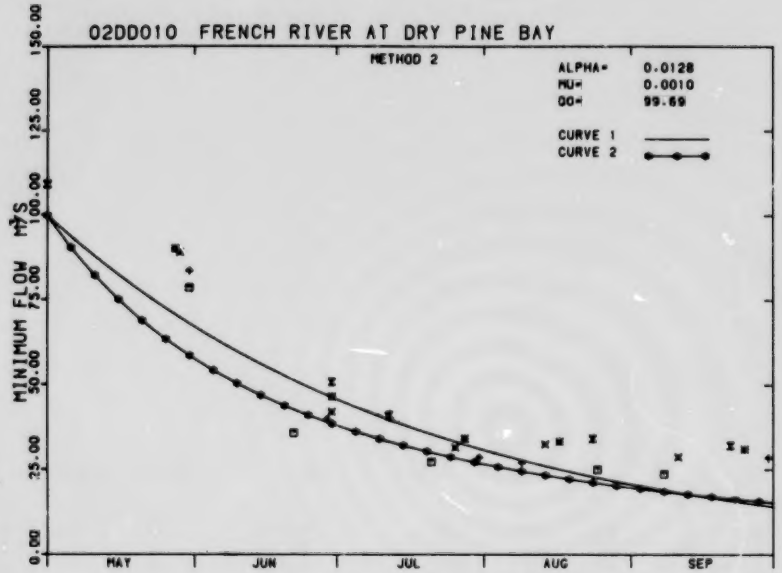
DISCHARGES IN CUBIC METRES PER SECOND

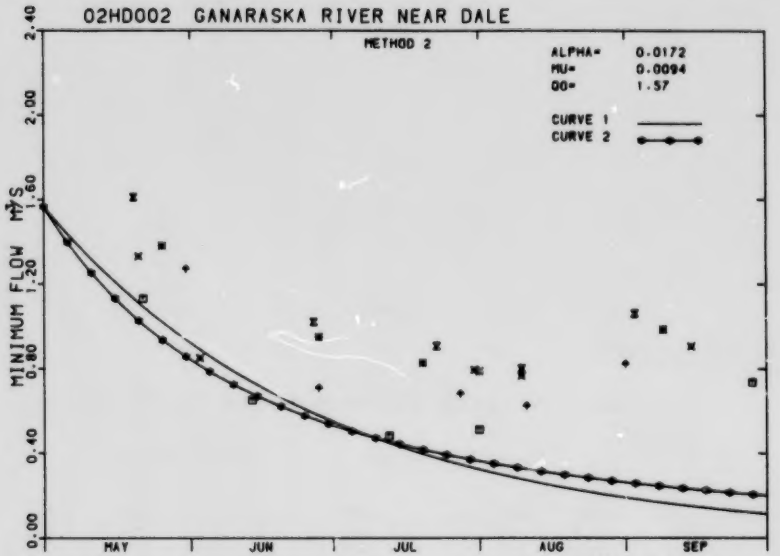
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	30	.057	MAY	1958	30	.057
1958	JUN	14	.028	MAY	1962	30	.130
1958	JUL	19	0.000	MAY	1952	10	.170
1958	AUG	1	0.000	MAY	1971	31	.207
1950	SEP	3	0.000	MAY	1977	31	.212
1971	MAY	31	.207	JUN	1963	24	.017
1971	JUN	30	.022	JUN	1971	30	.022
1971	JUL	24	.010	JUN	1958	14	.028
1971	AUG	9	.006	JUN	1964	30	.028
1971	SEP	12	.008	JUN	1965	30	.040
1962	MAY	30	.150	JUL	1955	30	0.000
1962	JUN	28	.093	JUL	1958	19	0.000
1962	JUL	20	.028	JUL	1964	30	0.000
1962	AUG	31	.011	JUL	1971	24	.010
1962	SEP	15	.008	JUL	1961	13	.025
1952	MAY	10	.170	AUG	1955	1	0.000
1952	JUN	29	.057	AUG	1958	1	0.000
1952	JUL	2	.028	AUG	1964	1	0.000
1952	AUG	13	.057	AUG	1971	9	.006
1952	SEP	8	.028	AUG	1962	31	.011
1954	MAY	26	.227	SEP	1955	1	0.000
1954	JUN	28	.057	SEP	1958	3	0.000
1954	JUL	13	.028	SEP	1965	17	0.000
1954	AUG	1	.028	SEP	1978	11	.004
1954	SEP	1	.028	SEP	1974	11	.007

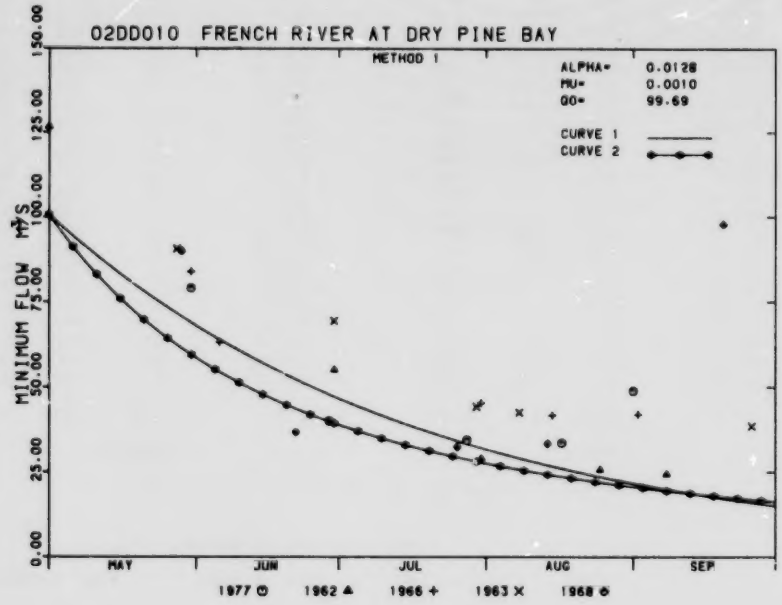
ALPHA= .0295 QO= .12

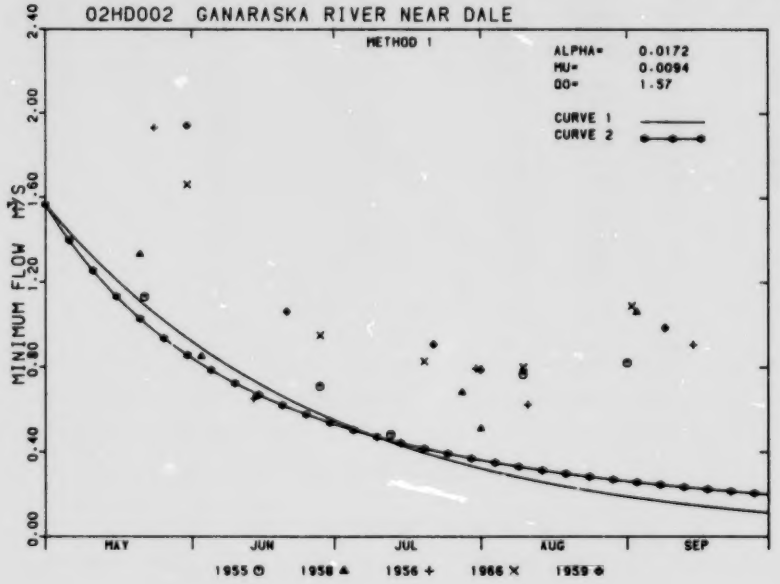
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.154	.037	.016	.001	.009


02DD010 FRENCH RIVER AT DRY PINE BAY
METHOD 2
ALPHA= 0.0128
MU= 0.0010
QO= 99.69
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
150.00
125.00
100.00
75.00
50.00
25.00
0.00
MAY
JUN
JUL
AUG
SEP


02HD002 GANARASKA RIVER NEAR DALE
METHOD 2
ALPHA= 0.0172
MU= 0.0094
QO= 1.57
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
2.40
2.00
1.60
1.20
0.80
0.40
0.00
MAY
JUN
JUL
AUG
SEP


02DD010 FRENCH RIVER AT DRY PINE BAY
METHOD 1
ALPHA= 0.0128
MU= 0.0010
QO= 99.69
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
150.00
125.00
100.00
75.00
50.00
25.00
0.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1962 ▲ 1966 + 1963 × 1968 ◇


02HD002 GANARASKA RIVER NEAR DALE
METHOD 1
ALPHA= 0.0172
MU= 0.0094
QO= 1.57
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
2.40
2.00
1.60
1.20
0.80
0.40
0.00
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1958 ▲ 1956 + 1966 × 1959 ◇

02DD010 FRENCH RIVER AT DRY PINE BAY

DRAINAGE AREA 13900 SQ KM REGULATED

PERIOD OF RECORD 1961-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	78.40	MAY	1977	31	78.40
1977	JUN	29	39.60	MAY	1966	31	83.30
1977	JUL	28	34.00	MAY	1968	29	88.90
1977	AUG	17	33.10	MAY	1963	28	90.00
1977	SEP	1	48.40	MAY	1961	1	109.00
1962	MAY	1	126.00	JUN	1968	22	35.70
1962	JUN	30	54.40	JUN	1977	29	39.60
1962	JUL	31	28.30	JUN	1964	30	41.90
1962	AUG	25	25.00	JUN	1965	30	46.40
1962	SEP	8	23.70	JUN	1971	30	50.70
1966	MAY	31	83.30	JUL	1971	21	27.20
1966	JUN	6	62.60	JUL	1962	31	28.30
1966	JUL	31	44.70	JUL	1968	26	31.40
1966	AUG	15	41.10	JUL	1977	28	34.00
1966	SEP	2	41.30	JUL	1964	12	40.80
1963	MAY	28	90.00	AUG	1962	25	25.00
1963	JUN	30	68.80	AUG	1971	9	26.80
1963	JUL	30	43.60	AUG	1968	14	32.30
1963	AUG	8	41.90	AUG	1977	17	33.10
1963	SEP	26	37.90	AUG	1975	24	34.00
1968	MAY	29	88.90	SEP	1962	8	23.70
1968	JUN	22	35.70	SEP	1975	30	28.20
1968	JUL	26	31.40	SEP	1971	11	28.60
1968	AUG	14	32.30	SEP	1967	25	30.90
1968	SEP	20	96.80	SEP	1976	22	32.00

ALPHA= .0128 MU= .0010 QO= 99.69

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	220274.0	144034.4	100649.9	67600.5	44203.1	576761.9	4.15
CURVE 2	202779.3	120887.5	84783.5	60983.5	44665.9	514099.6	3.70

02HD002 GANARASKA RIVER NEAR DALE

DRAINAGE AREA 262 SQ KM NATURAL FLOW

PERIOD OF RECORD 1950-75

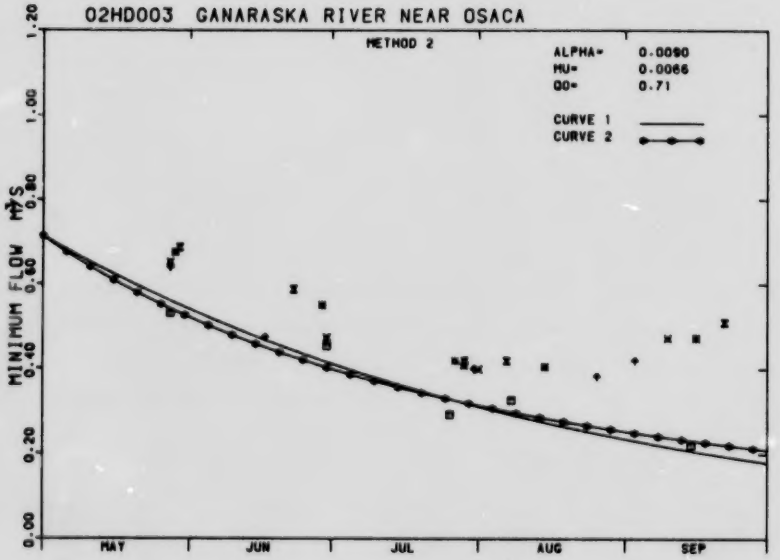
DISCHARGES IN CUBIC METRES PER SECOND

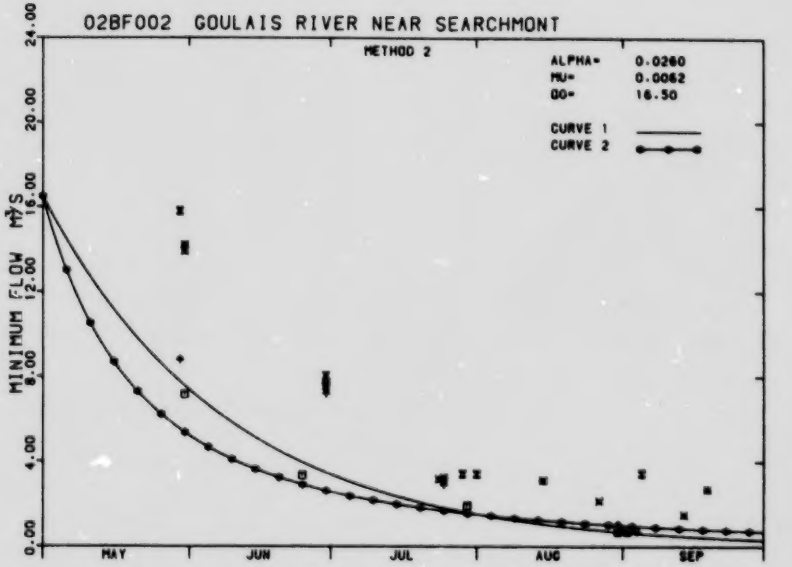
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	22	1.13	MAY	1955	22	1.13
1955	JUN	28	.71	MAY	1954	31	1.27
1955	JUL	13	.48	MAY	1958	21	1.33
1955	AUG	10	.77	MAY	1965	26	1.38
1955	SEP	1	.82	MAY	1962	20	1.61
1958	MAY	21	1.33	JUN	1956	14	.69
1958	JUN	3	.85	JUN	1955	28	.71
1958	JUL	28	.68	JUN	1958	3	.85
1958	AUG	1	.51	JUN	1966	28	.95
1958	SEP	3	1.06	JUN	1965	27	1.02
1956	MAY	24	1.93	JUL	1955	13	.48
1956	JUN	14	.65	JUL	1958	28	.68
1956	JUL	31	.79	JUL	1956	31	.79
1956	AUG	11	.62	JUL	1966	20	.83
1956	SEP	15	.91	JUL	1957	23	.91
1966	MAY	31	1.66	AUG	1958	1	.51
1966	JUN	28	.95	AUG	1956	11	.62
1966	JUL	20	.83	AUG	1955	10	.77
1966	AUG	10	.80	AUG	1959	1	.79
1966	SEP	2	1.09	AUG	1966	10	.80
1959	MAY	31	1.94	SEP	1951	28	.74
1959	JUN	21	1.06	SEP	1955	1	.82
1959	JUL	22	.91	SEP	1956	15	.91
1959	AUG	1	.79	SEP	1959	9	.99
1959	SEP	9	.99	SEP	1958	3	1.06

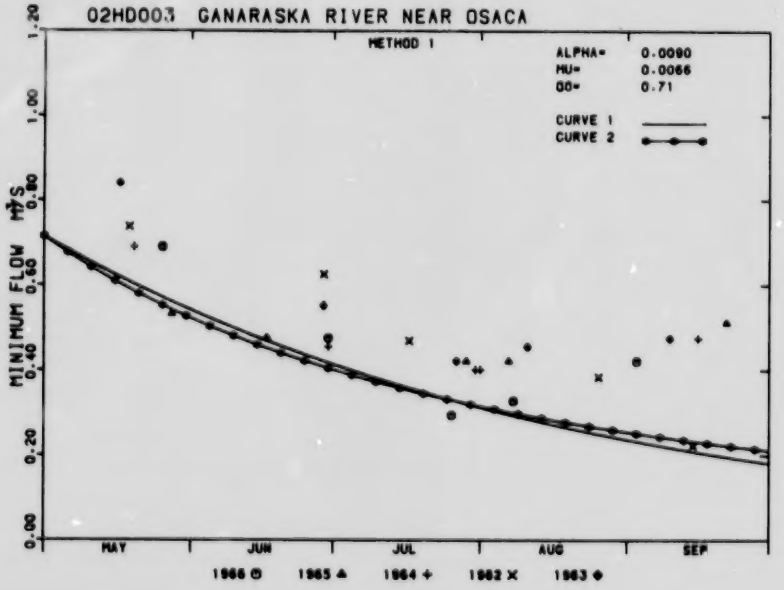
ALPHA= .0172 MU= .0094 QO= 1.57

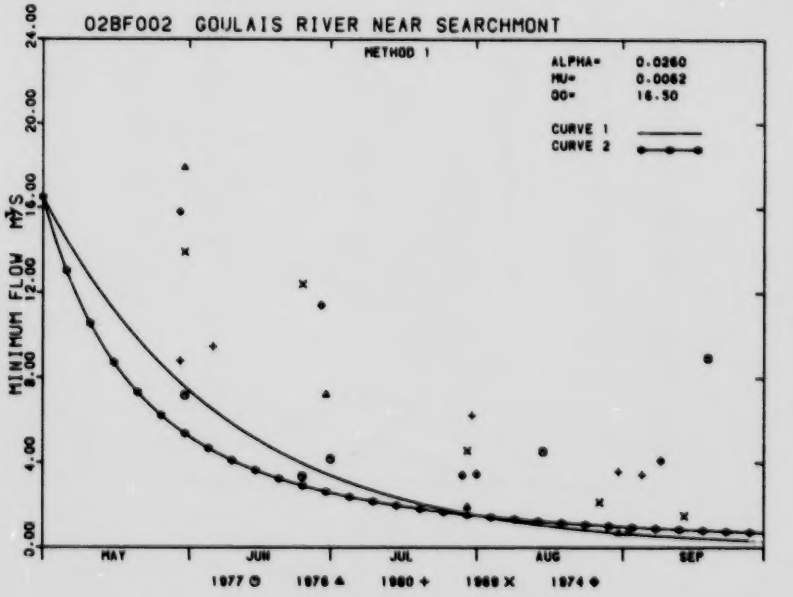
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3251.3	1860.3	1138.2	667.7	382.0	7299.5	2.79
CURVE 2	3073.4	1731.1	1172.1	822.6	592.0	7391.2	2.82


02HD003 GANARASKA RIVER NEAR OSACA
METHOD 2
ALPHA= 0.0090
MU= 0.0066
GO= 0.71
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02BF002 GOULAIS RIVER NEAR SEARCHMONT
METHOD 2
ALPHA= 0.0260
MU= 0.0062
GO= 16.50
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02HD003 GANARASKA RIVER NEAR OSACA
METHOD 1
ALPHA= 0.0090
MU= 0.0066
GO= 0.71
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1965 ▲ 1964 + 1962 × 1963 ◆


02BF002 GOULAIS RIVER NEAR SEARCHMONT
METHOD 1
ALPHA= 0.0260
MU= 0.0062
GO= 16.50
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1976 ▲ 1980 + 1969 × 1974 ◆

02HD003 GANARASKA RIVER NEAR OSACA

DRAINAGE AREA 67.3 SQ KM REGULATED

PERIOD OF RECORD 1958-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1966	MAY	26	.688
1966	JUN	30	.473
1966	JUL	26	.292
1966	AUG	6	.326
1966	SEP	3	.419
1965	MAY	28	.530
1965	JUN	17	.473
1965	JUL	29	.419
1965	AUG	7	.419
1965	SEP	22	.510
1964	MAY	20	.688
1964	JUN	30	.453
1964	JUL	31	.399
1964	AUG	1	.399
1964	SEP	16	.473
1962	MAY	19	.736
1962	JUN	29	.623
1962	JUL	17	.467
1962	AUG	26	.382
1962	SEP	15	.221
1963	MAY	17	.838
1963	JUN	29	.549
1963	JUL	27	.419
1963	AUG	11	.493
1963	SEP	10	.473

METHOD 2

MONTH	YEAR	DAY	FLOW
MAY	1965	28	.530
MAY	1977	28	.637
MAY	1972	28	.651
MAY	1975	29	.674
MAY	1967	30	.689
JUN	1964	30	.453
JUN	1965	17	.473
JUN	1966	30	.473
JUN	1963	29	.549
JUN	1971	23	.586
JUL	1966	26	.292
JUL	1964	31	.399
JUL	1968	29	.408
JUL	1963	27	.419
JUL	1965	29	.419
AUG	1966	8	.326
AUG	1962	26	.382
AUG	1964	1	.399
AUG	1970	15	.405
AUG	1965	7	.419
SEP	1962	15	.221
SEP	1966	3	.419
SEP	1963	10	.473
SEP	1964	16	.473
SEP	1965	22	.510

ALPHA= .0090 MU= .0066 GO= .71

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1666.0	1223.6	960.0	725.5	532.8	5108.0	7.59
CURVE 2	1630.5	1179.6	946.3	753.1	595.6	5105.1	7.59

02BF002 GOULAIS RIVER NEAR SEARCHMONT

DRAINAGE AREA 1160 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1977	MAY	31	7.16
1977	JUN	25	3.34
1977	JUL	1	4.16
1977	AUG	15	4.53
1977	SEP	19	8.95
1976	MAY	31	17.90
1976	JUN	30	7.19
1976	JUL	30	1.91
1976	AUG	31	.70
1976	SEP	2	.71
1980	MAY	30	8.78
1980	JUN	6	9.45
1980	JUL	31	6.22
1980	AUG	31	3.59
1980	SEP	5	3.44
1969	MAY	31	13.90
1969	JUN	25	12.40
1969	JUL	30	4.56
1969	AUG	27	2.14
1969	SEP	14	1.50
1974	MAY	30	15.80
1974	JUN	29	11.40
1974	JUL	29	3.40
1974	AUG	1	3.45
1974	SEP	9	4.11

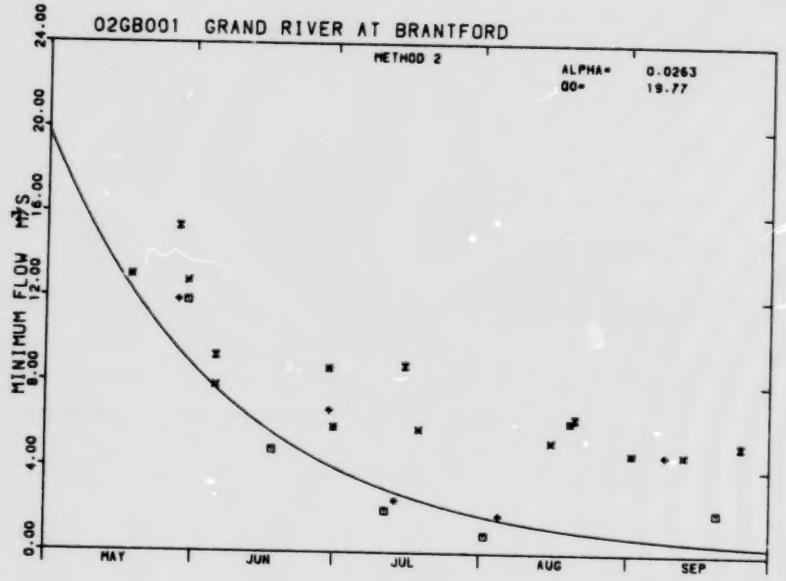
METHOD 2

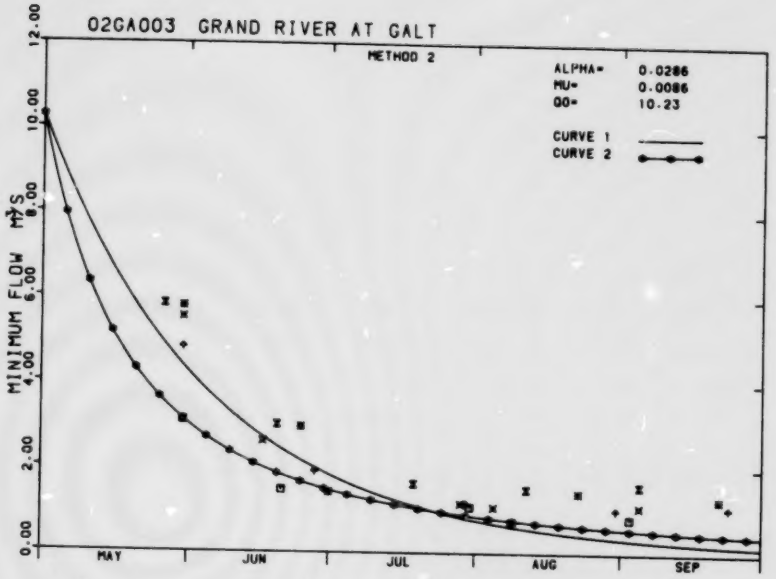
MONTH	YEAR	DAY	FLOW
MAY	1977	31	7.16
MAY	1980	30	8.78
MAY	1969	31	13.90
MAY	1973	31	14.20
MAY	1974	30	15.80
JUN	1977	25	3.34
JUN	1976	30	7.19
JUN	1972	30	7.53
JUN	1971	30	7.73
JUN	1970	30	8.04
JUL	1976	30	1.91
JUL	1973	25	2.89
JUL	1979	24	3.16
JUL	1971	25	3.23
JUL	1974	29	3.40
AUG	1976	31	.70
AUG	1975	31	1.04
AUG	1969	27	2.14
AUG	1978	19	3.11
AUG	1971	1	3.40
SEP	1976	2	.71
SEP	1975	4	.71
SEP	1969	14	1.50
SEP	1971	19	2.70
SEP	1980	5	3.44

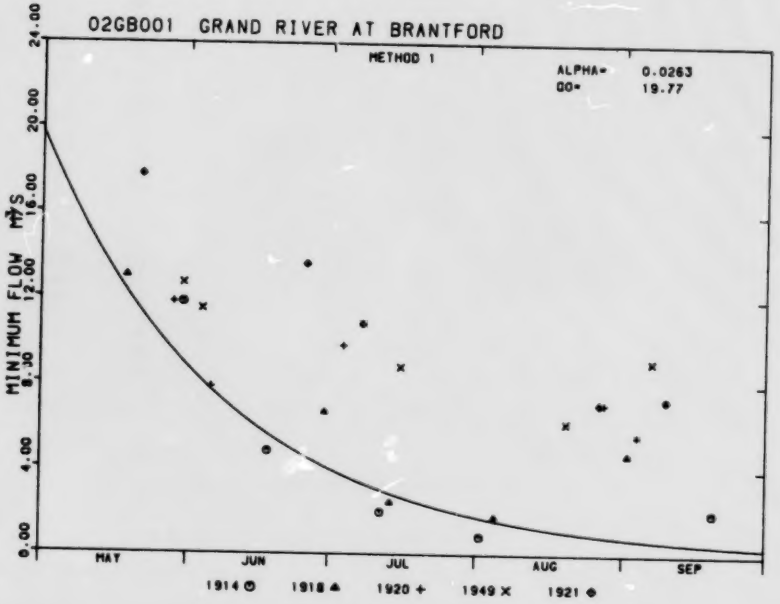
ALPHA= .0260 MU= .0062 GO= 16.50

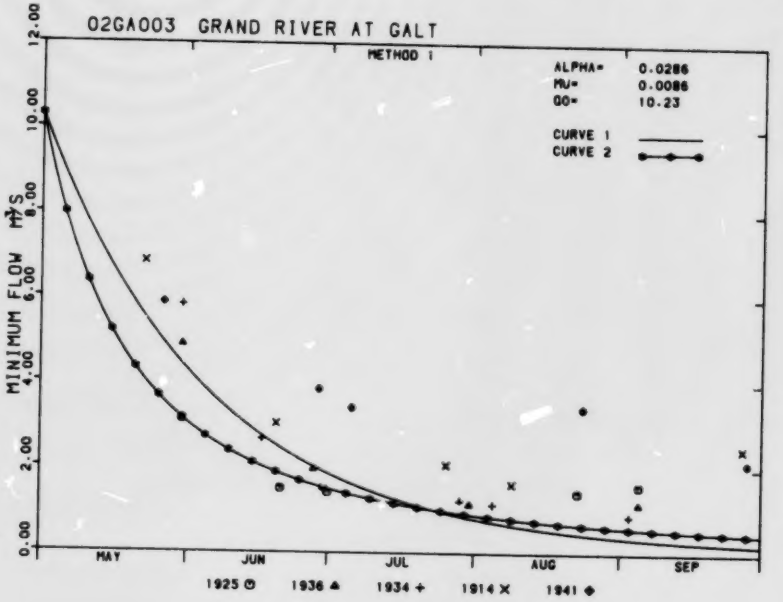
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	30337.4	13265.7	6215.0	2776.7	1214.2	53808.8	4.64
CURVE 2	24827.1	9481.3	5261.6	3257.4	2154.7	44982.0	3.88


02GB001 GRAND RIVER AT BRANTFORD
METHOD 2
ALPHA= 0.0263
QO= 19.77
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02GA003 GRAND RIVER AT GALT
METHOD 2
ALPHA= 0.0286
MU= 0.0086
QO= 10.23
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02GB001 GRAND RIVER AT BRANTFORD
METHOD 1
ALPHA= 0.0263
QO= 19.77
MINIMUM FLOW M³/S
0.00
4.00
8.30
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1914
1918
1920
1949
1921


02GA003 GRAND RIVER AT GALT
METHOD 1
ALPHA= 0.0286
MU= 0.0086
QO= 10.23
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1925
1936
1934
1914
1941

02GB001 GRAND RIVER AT BRANTFORD

DRAINAGE AREA 5210 SQ KM REGULATED

PERIOD OF RECORD 1912-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1914	MAY	31	11.80	MAY	1914	31	11.80
1914	JUN	18	4.81	MAY	1920	29	11.80
1914	JUL	12	1.98	MAY	1949	31	12.70
1914	AUG	2	.85	MAY	1918	19	13.60
1914	SEP	20	1.98	MAY	1962	29	15.30
1918	MAY	19	13.60	JUN	1914	18	4.81
1918	JUN	30	6.65	JUN	1918	30	6.65
1918	JUL	14	2.44	JUN	1920	6	7.82
1918	AUG	5	1.76	JUN	1915	30	8.64
1918	SEP	2	4.70	JUN	1948	6	9.20
1920	MAY	29	11.80	JUL	1914	12	1.98
1920	JUN	6	7.82	JUL	1918	14	2.44
1920	JUL	4	9.77	JUL	1919	19	5.80
1920	AUG	28	7.08	JUL	1915	1	5.89
1920	SEP	4	5.61	JUL	1949	16	8.78
1949	MAY	31	12.70	AUG	1914	2	.85
1949	JUN	4	11.50	AUG	1918	5	1.76
1949	JUL	16	8.78	AUG	1919	16	5.24
1949	AUG	26	6.17	AUG	1949	20	6.17
1949	SEP	7	9.06	AUG	1917	21	6.37
1921	MAY	22	17.80	SEP	1914	20	1.98
1921	JUN	26	13.60	SEP	1916	9	4.62
1921	JUL	8	10.80	SEP	1919	13	4.67
1921	AUG	27	7.08	SEP	1918	2	4.70
1921	SEP	10	7.28	SEP	1917	25	5.15

ALPHA= .0263 QO= 19.77

02GA003 GRAND RIVER AT GALT

DRAINAGE AREA 3920 SQ KM REGULATED

PERIOD OF RECORD 1913-80

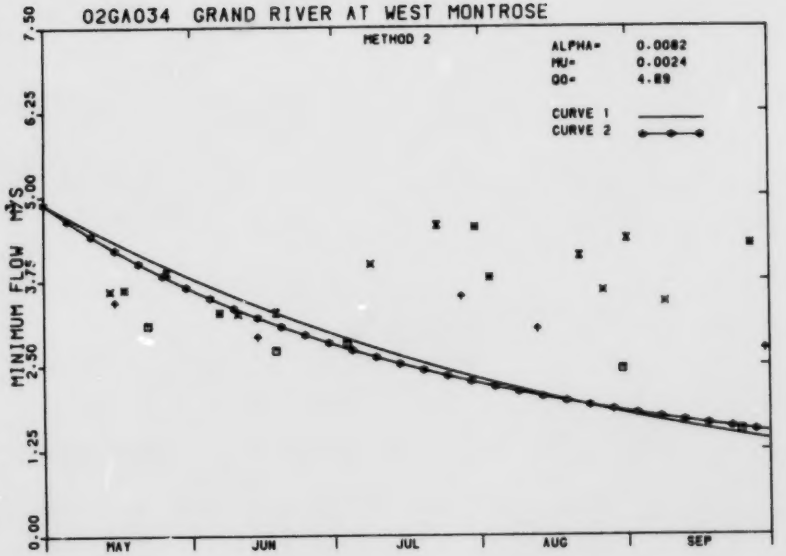
DISCHARGES IN CUBIC METRES PER SECOND

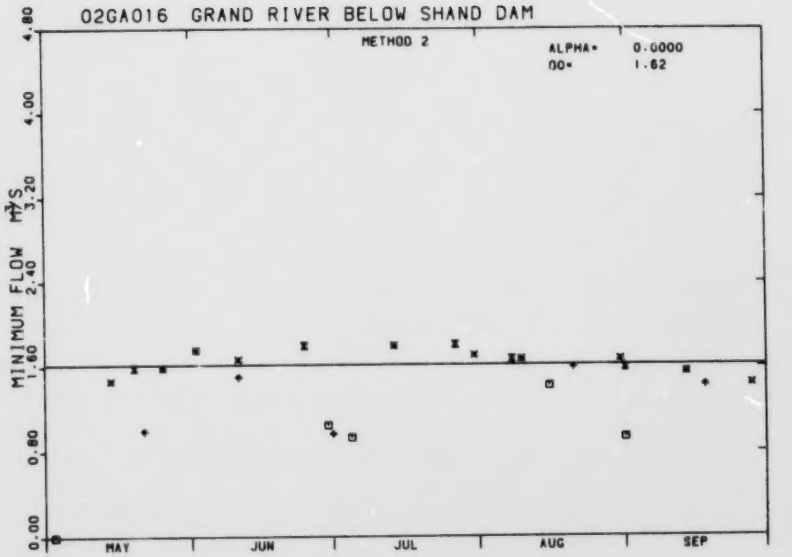
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1925	MAY	31	3.09	MAY	1925	31	3.09
1925	JUN	21	1.47	MAY	1936	31	4.81
1925	JUL	1	1.39	MAY	1915	31	5.49
1925	AUG	23	1.39	MAY	1934	31	5.75
1925	SEP	5	1.56	MAY	1941	27	5.80
1936	MAY	31	4.81	JUN	1925	21	1.47
1936	JUN	28	1.90	JUN	1936	28	1.90
1936	JUL	31	1.08	JUN	1934	17	2.61
1936	AUG	9	.74	JUN	1933	25	2.92
1936	SEP	5	1.10	JUN	1914	20	2.97
1934	MAY	31	5.75	JUL	1936	31	1.08
1934	JUN	17	2.61	JUL	1933	30	1.16
1934	JUL	29	1.16	JUL	1934	29	1.16
1934	AUG	5	1.08	JUL	1925	1	1.39
1934	SEP	3	.82	JUL	1919	19	1.39
1914	MAY	23	6.77	AUG	1936	9	.74
1914	JUN	20	2.97	AUG	1935	31	1.02
1914	JUL	26	2.01	AUG	1934	5	1.08
1914	AUG	9	1.56	AUG	1925	23	1.39
1914	SEP	27	2.41	AUG	1933	12	1.47
1941	MAY	27	5.80	SEP	1934	3	.82
1941	JUN	29	3.77	SEP	1933	24	1.08
1941	JUL	6	3.34	SEP	1936	5	1.10
1941	AUG	24	3.34	SEP	1935	22	1.25
1941	SEP	28	2.07	SEP	1925	5	1.96

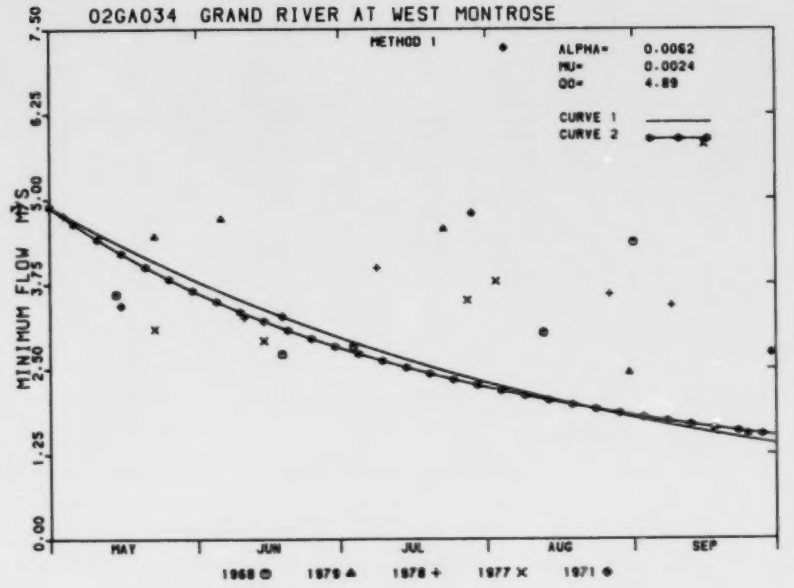
ALPHA= .0286 MU= .0086 QO= 10.23

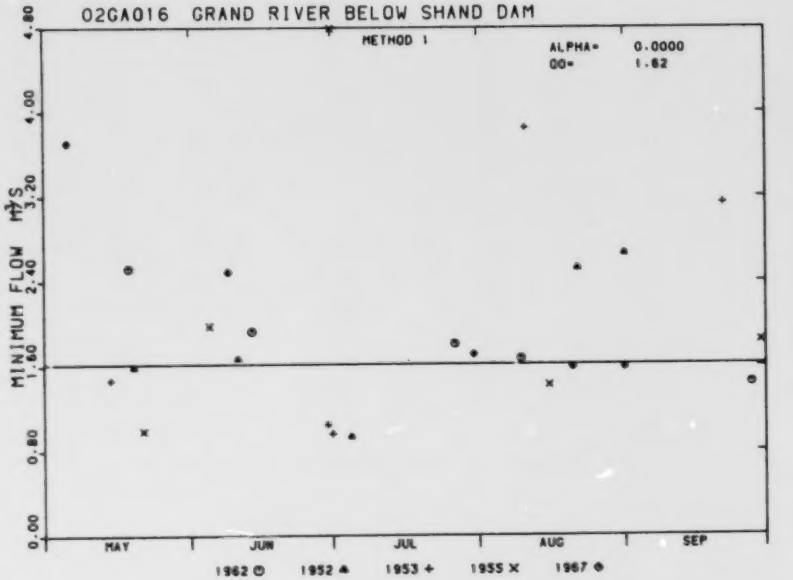
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	18182.0	7247.6	3183.5	1313.2	530.7	30557.1	.87
CURVE 2	14814.7	5365.0	2911.7	1779.7	1167.8	26039.0	.74


02GA034 GRAND RIVER AT WEST MONTROSE
METHOD 2
ALPHA= 0.0082
MU= 0.0024
QO= 4.89
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
1.25
2.50
3.75
5.00
6.25
7.50
MAY
JUN
JUL
AUG
SEP


02GA016 GRAND RIVER BELOW SHAND DAM
METHOD 2
ALPHA= 0.0000
QO= 1.62
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02GA034 GRAND RIVER AT WEST MONTROSE
METHOD 1
ALPHA= 0.0062
MU= 0.0024
QO= 4.89
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
1.25
2.50
3.75
5.00
6.25
7.50
MAY
JUN
JUL
AUG
SEP
1968 ⊙ 1979 ▲ 1978 + 1977 × 1971 ◆


02GA016 GRAND RIVER BELOW SHAND DAM
METHOD 1
ALPHA= 0.0000
QO= 1.62
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1952 ▲ 1953 + 1955 × 1967 ◆

02GA034 GRAND RIVER AT WEST MONTROSE

DRAINAGE AREA 1170 SQ KM REGULATED

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1968	MAY	15	3.60	MAY	1977	23	3.09
1968	JUN	19	2.72	MAY	1971	16	3.43
1968	JUL	4	2.83	MAY	1968	15	3.60
1968	AUG	13	3.03	MAY	1975	18	3.62
1968	SEP	1	4.36	MAY	1980	27	3.87
1979	MAY	23	4.45	JUN	1968	19	2.72
1979	JUN	6	4.71	JUN	1977	15	2.92
1979	JUL	23	4.56	JUN	1978	11	3.26
1979	AUG	31	2.44	JUN	1970	7	3.28
1979	SEP	25	1.54	JUN	1971	19	3.28
1978	MAY	4	4.76	JUL	1968	4	2.83
1978	JUN	11	3.26	JUL	1977	28	3.51
1978	JUL	9	3.99	JUL	1978	9	3.99
1978	AUG	27	3.60	JUL	1969	31	4.53
1978	SEP	9	3.43	JUL	1979	23	4.56
1977	MAY	23	3.09	AUG	1979	31	2.44
1977	JUN	15	2.92	AUG	1968	13	3.03
1977	JUL	28	3.51	AUG	1978	27	3.60
1977	AUG	3	3.79	AUG	1977	3	3.79
1977	SEP	16	5.80	AUG	1972	22	4.11
1971	MAY	16	3.43	SEP	1979	25	1.54
1971	JUN	19	3.28	SEP	1971	30	2.73
1971	JUL	29	4.79	SEP	1978	9	3.43
1971	AUG	5	7.22	SEP	1974	27	4.28
1971	SEP	30	2.73	SEP	1968	1	4.36

ALPHA= .0082 MU= .0024 QO= 4.89

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	11560.8	8708.9	7007.7	5433.5	4093.2	36804.1	3.15
CURVE 2	11268.5	8269.4	6705.7	5383.3	4286.9	35913.8	3.07

02GA016 GRAND RIVER BELOW SHAND DAM

DRAINAGE AREA 800 SQ KM REGULATED

PERIOD OF RECORD 1950-80

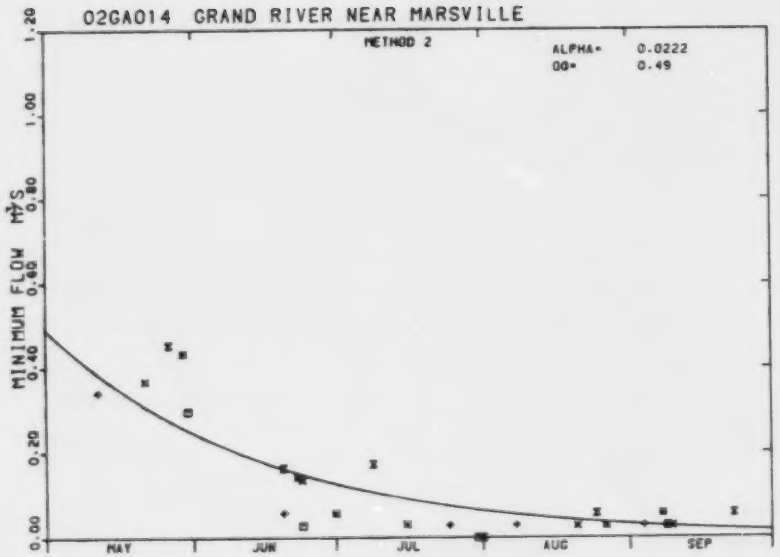
DISCHARGES IN CUBIC METRES PER SECOND

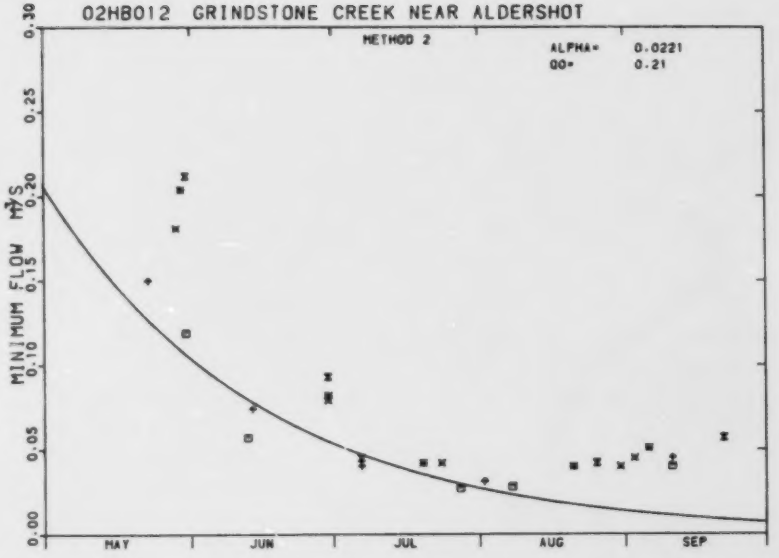
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	19	2.52	MAY	1956	3	0.00
1962	JUN	14	1.93	MAY	1955	22	.99
1962	JUL	27	1.81	MAY	1953	15	1.47
1962	AUG	10	1.67	MAY	1951	26	1.59
1962	SEP	28	1.44	MAY	1952	20	1.59
1952	MAY	20	1.59	JUN	1953	30	1.05
1952	JUN	11	1.67	JUN	1951	11	1.50
1952	JUL	5	.93	JUN	1952	11	1.67
1952	AUG	22	2.52	JUN	1954	2	1.76
1952	SEP	1	2.66	JUN	1964	25	1.80
1953	MAY	15	1.47	JUL	1952	5	.93
1953	JUN	30	1.05	JUL	1953	1	.96
1953	JUL	1	.96	JUL	1967	31	1.71
1953	AUG	11	3.85	JUL	1964	14	1.80
1953	SEP	22	3.14	JUL	1962	27	1.81
1955	MAY	22	.99	AUG	1955	16	1.42
1955	JUN	5	1.98	AUG	1967	21	1.39
1955	JUL	1	4.79	AUG	1958	31	1.67
1955	AUG	16	1.42	AUG	1962	10	1.67
1955	SEP	30	1.84	AUG	1964	8	1.67
1967	MAY	6	3.71	SEP	1958	1	.93
1967	JUN	9	2.49	SEP	1957	18	1.42
1967	JUL	31	1.71	SEP	1962	28	1.44
1967	AUG	21	1.59	SEP	1963	14	1.55
1967	SEP	1	1.59	SEP	1967	1	1.59

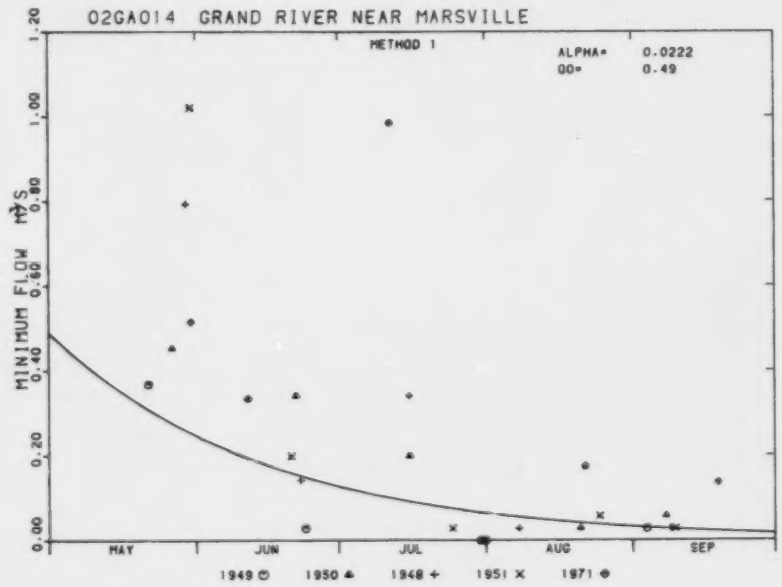
ALPHA= .0000 QO= 1.62

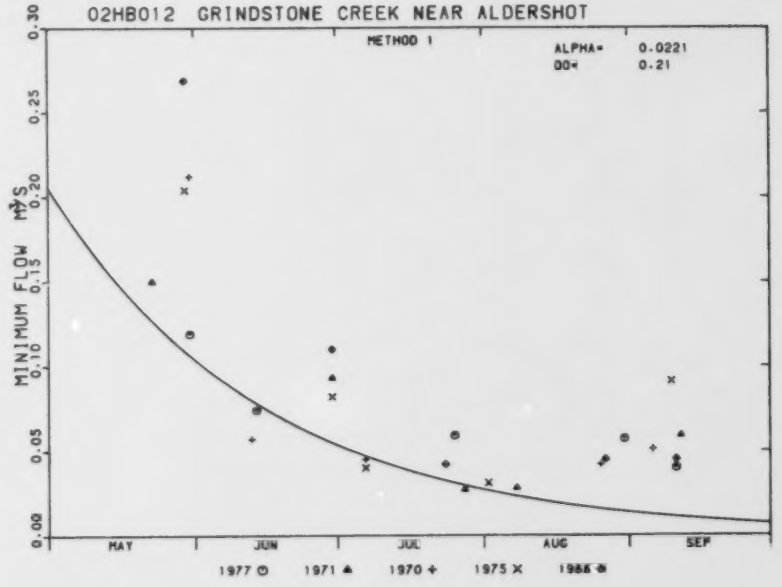
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
1.820	2.940	3.320	2.960	1.350


02GA014 GRAND RIVER NEAR MARSVILLE
METHOD 2
ALPHA= 0.0222
QO= 0.49
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HB012 GRINDSTONE CREEK NEAR ALDERSHOT
METHOD 2
ALPHA= 0.0221
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02GA014 GRAND RIVER NEAR MARSVILLE
METHOD 1
ALPHA= 0.0222
QO= 0.49
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1949 ○ 1950 ▲ 1948 + 1951 X 1971 ●


02HB012 GRINDSTONE CREEK NEAR ALDERSHOT
METHOD 1
ALPHA= 0.0221
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1977 ○ 1971 ▲ 1970 + 1975 X 1988 ●

02GA014 GRAND RIVER NEAR MARSVILLE

DRAINAGE AREA 694 SQ KM REGULATED

PERIOD OF RECORD 1947-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	22	.368	MAY	1977	31	.297
1949	JUN	24	.028	MAY	1952	12	.340
1949	JUL	31	0.000	MAY	1949	22	.368
1949	AUG	1	0.000	MAY	1975	30	.433
1949	SEP	4	.028	MAY	1950	27	.453
1950	MAY	27	.453	JUN	1949	24	.028
1950	JUN	22	.340	JUN	1952	20	.057
1950	JUL	16	.198	JUN	1977	24	.136
1950	AUG	21	.028	JUN	1948	23	.142
1950	SEP	8	.057	JUN	1965	20	.164
1948	MAY	30	.793	JUL	1949	31	0.000
1948	JUN	23	.142	JUL	1951	25	.028
1948	JUL	16	.340	JUL	1979	16	.031
1948	AUG	8	.028	JUL	1952	1	.057
1948	SEP	9	.028	JUL	1966	9	.173
1951	MAY	31	1.020	AUG	1949	1	0.000
1951	JUN	21	.198	AUG	1948	8	.028
1951	JUL	25	.028	AUG	1950	21	.028
1951	AUG	25	.057	AUG	1952	27	.028
1951	SEP	10	.028	AUG	1951	25	.057
1971	MAY	31	.515	SEP	1948	9	.028
1971	JUN	12	.334	SEP	1949	4	.028
1971	JUL	12	.983	SEP	1951	10	.028
1971	AUG	22	.173	SEP	1950	8	.057
1971	SEP	19	.136	SEP	1972	23	.057

ALPHA= .0222 QO= .49

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.709	.104	.046	.014	.052

02HB012 GRINDSTONE CREEK NEAR ALDERSHOT

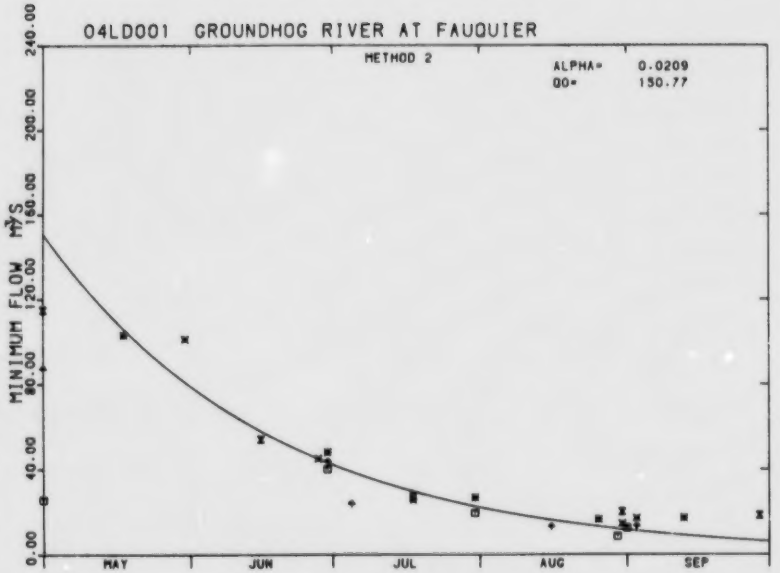
DRAINAGE AREA 82.6 SQ KM NATURAL FLOW

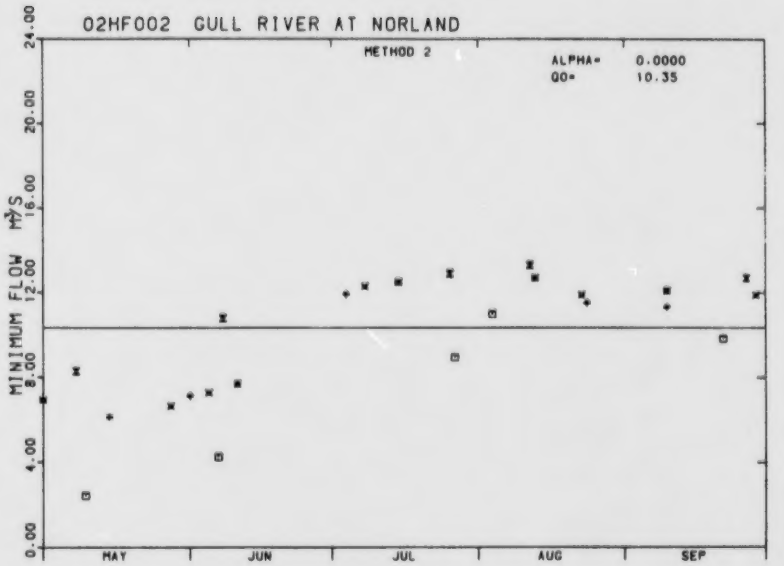
PERIOD OF RECORD 1965-80

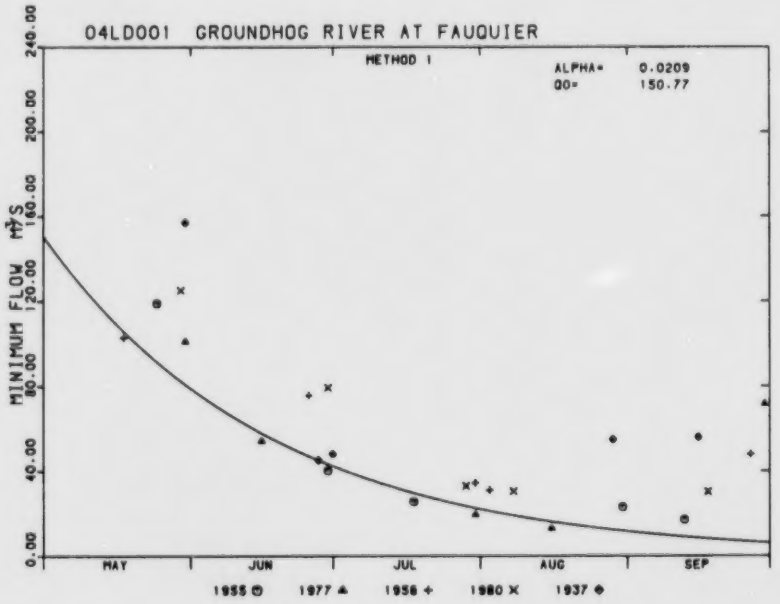
DISCHARGES IN CUBIC METRES PER SECOND

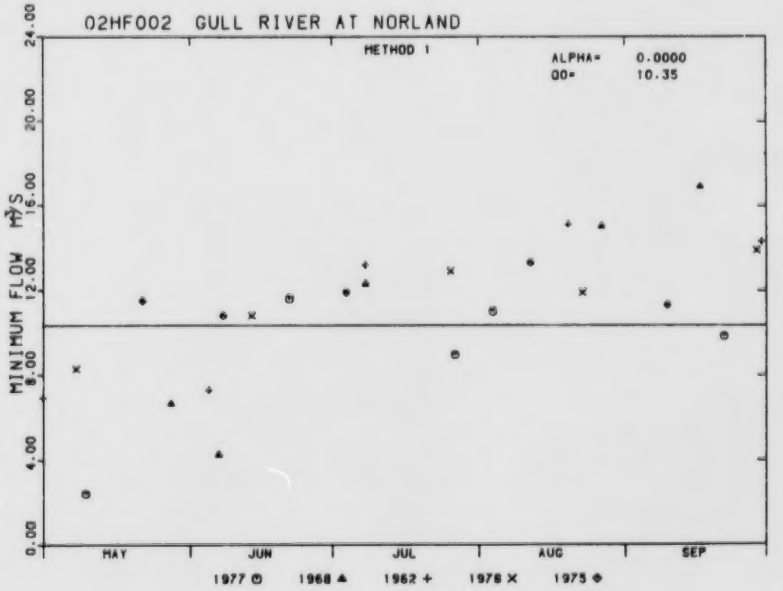
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.119	MAY	1977	31	.119
1977	JUN	14	.074	MAY	1971	23	.150
1977	JUL	26	.059	MAY	1972	29	.181
1977	AUG	31	.057	MAY	1975	30	.204
1977	SEP	11	.040	MAY	1970	31	.212
1971	MAY	29	.150	JUN	1970	13	.057
1971	JUN	30	.093	JUN	1977	14	.074
1971	JUL	28	.027	JUN	1978	30	.079
1971	AUG	8	.028	JUN	1975	30	.082
1971	SEP	12	.059	JUN	1971	30	.093
1970	MAY	31	.212	JUL	1971	28	.027
1970	JUN	13	.057	JUL	1975	7	.040
1970	JUL	7	.045	JUL	1966	24	.042
1970	AUG	26	.042	JUL	1978	20	.042
1970	SEP	6	.051	JUL	1970	7	.045
1975	MAY	30	.204	AUG	1971	8	.028
1975	JUN	30	.082	AUG	1975	2	.031
1975	JUL	7	.040	AUG	1973	31	.040
1975	AUG	2	.031	AUG	1978	21	.040
1975	SEP	10	.091	AUG	1970	26	.042
1966	MAY	30	.269	SEP	1977	11	.040
1966	JUN	30	.110	SEP	1966	11	.045
1966	JUL	24	.042	SEP	1973	3	.045
1966	AUG	27	.045	SEP	1970	6	.051
1966	SEP	11	.045	SEP	1974	22	.057

ALPHA= .0221 QO= .21


04LD001 GROUNDHOG RIVER AT FAUQUIER
METHOD 2
ALPHA= 0.0209
QO= 150.77
MINIMUM FLOW M³/S
0.00
40.00
80.00
120.00
160.00
200.00
240.00
MAY
JUN
JUL
AUG
SEP


02HF002 GULL RIVER AT NORLAND
METHOD 2
ALPHA= 0.0000
QO= 10.35
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


04LD001 GROUNDHOG RIVER AT FAUQUIER
METHOD 1
ALPHA= 0.0209
QO= 150.77
MINIMUM FLOW M³/S
0.00
40.00
80.00
120.00
160.00
200.00
240.00
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1977 ▲ 1956 + 1980 × 1937 ◆


02HF002 GULL RIVER AT NORLAND
METHOD 1
ALPHA= 0.0000
QO= 10.35
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1968 ▲ 1962 + 1978 × 1975 ◆

04LD001 GROUNDHOG RIVER AT FAUQUIER

DRAINAGE AREA 11900 SQ KM REGULATED

PERIOD OF RECORD 1920-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	25	119.00	MAY	1978	1	25.80
1955	JUN	30	40.20	MAY	1926	1	87.20
1955	JUL	18	25.70	MAY	1977	31	101.00
1955	AUG	31	23.10	MAY	1958	18	103.00
1955	SEP	13	17.20	MAY	1947	1	115.00
1977	MAY	31	101.00	JUN	1955	30	40.20
1977	JUN	16	54.10	JUN	1942	30	43.60
1977	JUL	31	19.60	JUN	1937	28	45.00
1977	AUG	16	13.10	JUN	1962	30	48.10
1977	SEP	30	71.60	JUN	1977	16	54.10
1958	MAY	18	103.00	JUL	1977	31	19.60
1958	JUN	26	75.60	JUL	1931	5	23.80
1958	JUL	31	34.50	JUL	1955	18	25.70
1958	AUG	3	31.10	JUL	1975	31	26.80
1958	SEP	27	47.90	JUL	1959	18	27.20
1980	MAY	30	125.00	AUG	1931	30	8.61
1980	JUN	30	79.20	AUG	1977	16	13.10
1980	JUL	29	33.00	AUG	1975	31	14.60
1980	AUG	8	30.60	AUG	1949	26	16.60
1980	SEP	18	30.20	AUG	1976	31	20.10
1937	MAY	31	157.00	SEP	1931	1	12.50
1937	JUN	28	45.00	SEP	1975	3	13.40
1937	JUL	1	47.90	SEP	1976	3	17.10
1937	AUG	29	54.70	SEP	1955	13	17.20
1937	SEP	16	55.80	SEP	1922	29	18.40

ALPHA= .0209 QO= 150.77

02HF002 GULL RIVER AT NORLAND

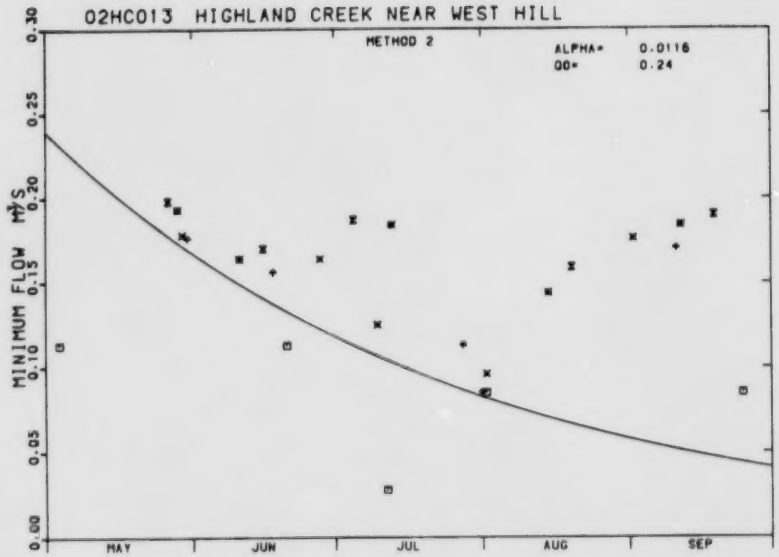
DRAINAGE AREA 1280 SQ KM REGULATED

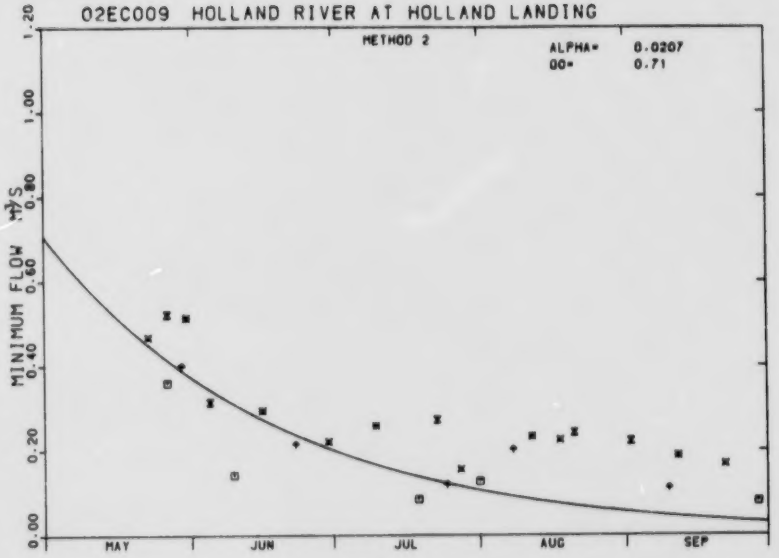
PERIOD OF RECORD 1962-80

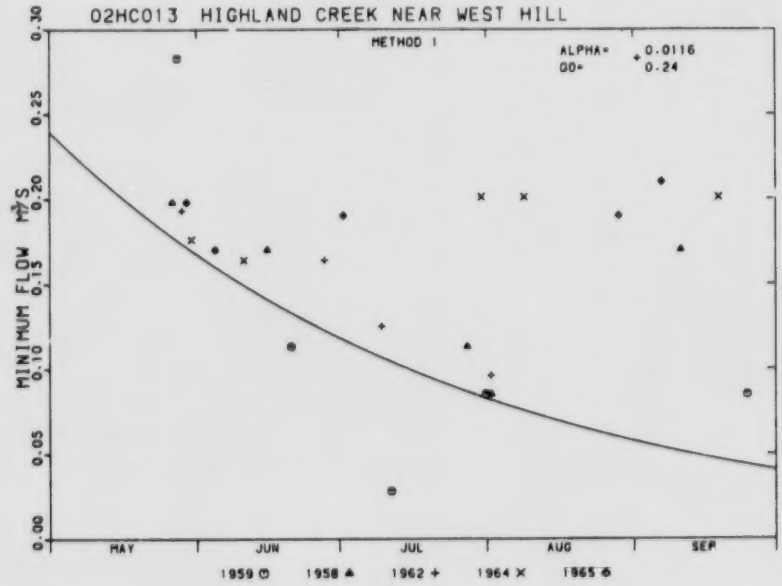
DISCHARGES IN CUBIC METRES PER SECOND

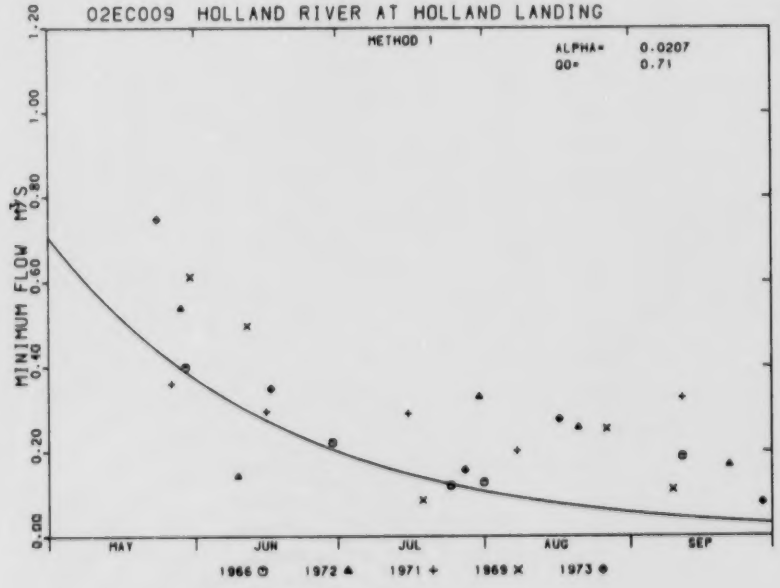
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	10	2.42	MAY	1977	10	2.42
1977	JUN	22	11.60	MAY	1976	15	6.12
1977	JUL	27	8.95	MAY	1968	28	6.65
1977	AUG	4	11.00	MAY	1962	1	6.94
1977	SEP	22	9.83	MAY	1978	8	8.30
1968	MAY	28	6.65	JUN	1968	7	4.25
1968	JUN	7	4.25	JUN	1965	1	7.11
1968	JUL	8	12.30	JUN	1962	5	7.28
1968	AUG	27	15.00	JUN	1969	11	7.70
1968	SEP	17	16.90	JUN	1975	8	10.80
1962	MAY	1	6.94	JUL	1977	27	8.95
1962	JUN	5	7.28	JUL	1975	4	11.90
1962	JUL	6	13.20	JUL	1968	8	12.30
1962	AUG	20	15.10	JUL	1974	15	12.50
1962	SEP	30	14.30	JUL	1978	26	12.90
1978	MAY	8	8.30	AUG	1977	4	11.00
1978	JUN	14	10.80	AUG	1974	24	11.50
1978	JUL	26	12.90	AUG	1978	23	11.90
1978	AUG	23	11.90	AUG	1979	13	12.70
1978	SEP	29	13.90	AUG	1975	12	13.30
1975	MAY	22	11.50	SEP	1977	22	9.83
1975	JUN	8	10.80	SEP	1975	10	11.30
1975	JUL	4	11.90	SEP	1976	29	11.90
1975	AUG	12	13.30	SEP	1974	10	12.10
1975	SEP	10	11.30	SEP	1966	27	12.70

ALPHA= .0000 QO= 10.35


02HC013 HIGHLAND CREEK NEAR WEST HILL
METHOD 2
ALPHA= 0.0116
QO= 0.24
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02EC009 HOLLAND RIVER AT HOLLAND LANDING
METHOD 2
ALPHA= 0.0207
QO= 0.71
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02HC013 HIGHLAND CREEK NEAR WEST HILL
METHOD 1
ALPHA= 0.0116
QO= 0.24
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1959
1958
1962
1964
1965


02EC009 HOLLAND RIVER AT HOLLAND LANDING
METHOD 1
ALPHA= 0.0207
QO= 0.71
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1966
1972
1971
1969
1973

02HC013 HIGHLAND CREEK NEAR WEST HILL

DRAINAGE AREA 88.1 SQ KM NATURAL FLOW

PERIOD OF RECORD 1956-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1959	MAY	28	.283	MAY	1978	4	.113
1959	JUN	21	.113	MAY	1964	31	.176
1959	JUL	12	.028	MAY	1977	30	.178
1959	AUG	1	.085	MAY	1962	29	.193
1959	SEP	25	.085	MAY	1958	27	.198
1958	MAY	27	.198	JUN	1959	21	.113
1958	JUN	16	.170	JUN	1961	18	.156
1958	JUL	28	.113	JUN	1962	28	.164
1958	AUG	2	.085	JUN	1964	11	.164
1958	SEP	11	.170	JUN	1958	16	.170
1962	MAY	29	.193	JUL	1959	12	.028
1962	JUN	28	.164	JUL	1958	28	.113
1962	JUL	10	.125	JUL	1962	10	.125
1962	AUG	2	.096	JUL	1961	13	.184
1962	SEP	2	.283	JUL	1963	5	.187
1964	MAY	31	.176	AUG	1958	2	.085
1964	JUN	11	.164	AUG	1959	1	.085
1964	JUL	31	.201	AUG	1962	2	.096
1964	AUG	9	.201	AUG	1960	15	.144
1964	SEP	19	.201	AUG	1971	20	.159
1963	MAY	30	.198	SEP	1959	25	.085
1963	JUN	5	.170	SEP	1958	11	.170
1963	JUL	2	.190	SEP	1960	2	.176
1963	AUG	29	.190	SEP	1971	12	.184
1963	SEP	7	.210	SEP	1966	19	.190

ALPHA= .0116 QO= .24

02EC009 HOLLAND RIVER AT HOLLAND LANDING

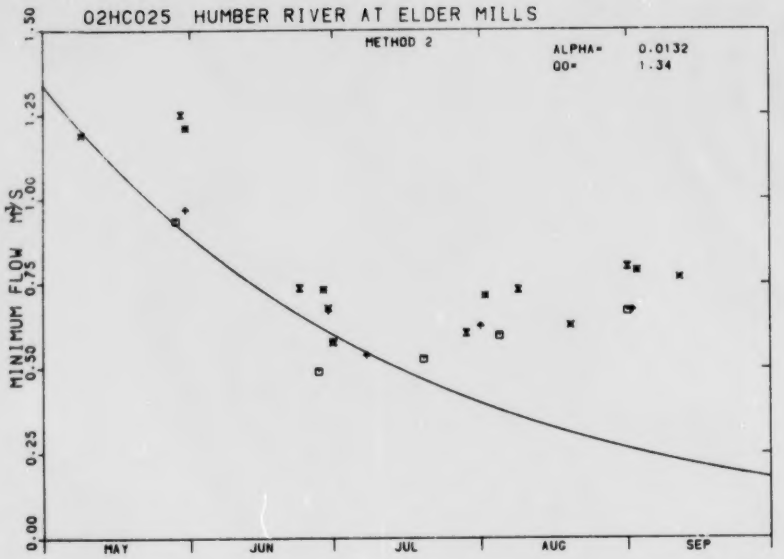
DRAINAGE AREA 181 SQ KM NATURAL FLOW

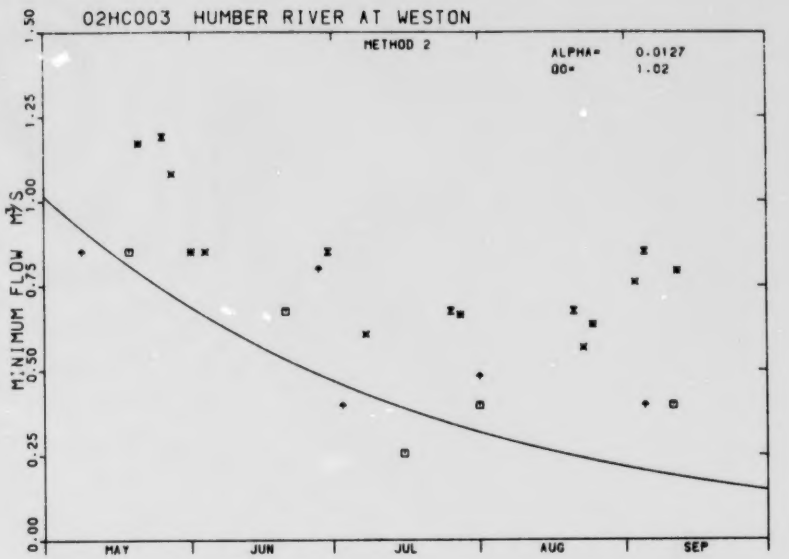
PERIOD OF RECORD 1965-80

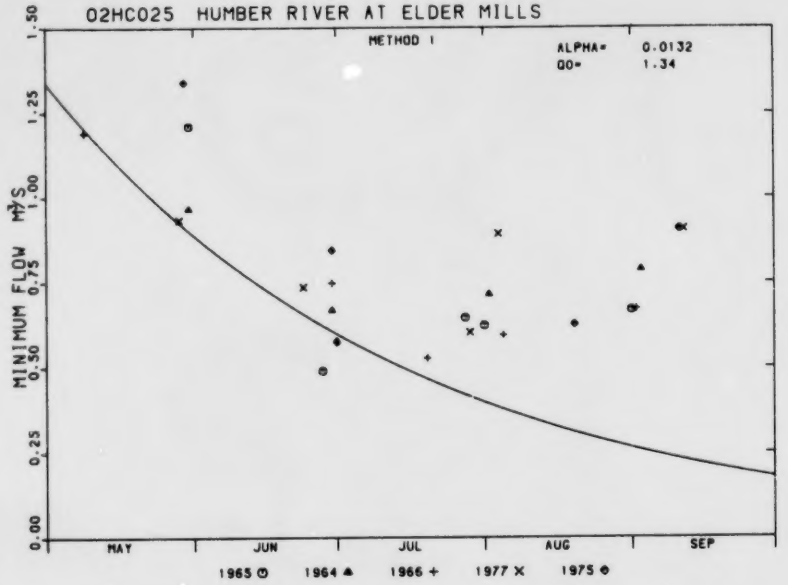
DISCHARGES IN CUBIC METRES PER SECOND

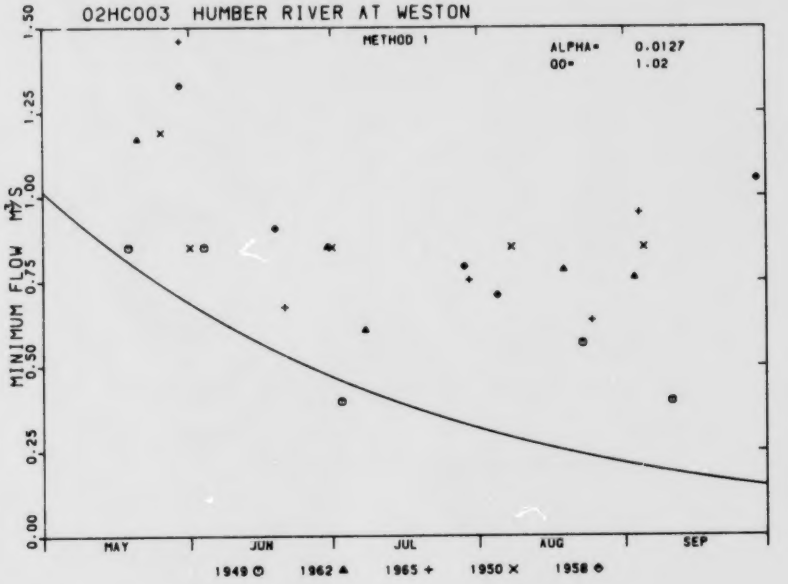
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	30	.399	MAY	1971	27	.360
1966	JUN	30	.221	MAY	1966	30	.399
1966	JUL	25	.119	MAY	1977	23	.467
1966	AUG	1	.127	MAY	1970	31	.513
1966	SEP	12	.187	MAY	1967	27	.521
1972	MAY	29	.538	JUN	1972	10	.142
1972	JUN	10	.142	JUN	1979	23	.214
1972	JUL	31	.328	JUN	1966	30	.221
1972	AUG	21	.295	JUN	1971	16	.294
1972	SEP	22	.167	JUN	1967	5	.314
1971	MAY	27	.360	JUL	1969	19	.085
1971	JUN	16	.294	JUL	1966	25	.119
1971	JUL	16	.289	JUL	1973	28	.196
1971	AUG	8	.201	JUL	1970	10	.298
1971	SEP	12	.326	JUL	1968	23	.272
1969	MAY	31	.612	AUG	1966	1	.127
1969	JUN	12	.496	AUG	1971	8	.201
1969	JUL	19	.085	AUG	1970	18	.224
1969	AUG	27	.252	AUG	1968	12	.232
1969	SEP	10	.110	AUG	1975	21	.241
1973	MAY	24	.748	SEP	1973	29	.079
1973	JUN	17	.348	SEP	1969	10	.110
1973	JUL	28	.196	SEP	1972	22	.167
1973	AUG	17	.275	SEP	1966	12	.187
1973	SEP	29	.079	SEP	1968	2	.221

ALPHA= .0207 QO= .71


02HC025 HUMBER RIVER AT ELDER MILLS
METHOD 2
ALPHA= 0.0132
QO= 1.34
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP


02HC003 HUMBER RIVER AT WESTON
METHOD 2
ALPHA= 0.0127
QO= 1.02
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP


02HC025 HUMBER RIVER AT ELDER MILLS
METHOD 1
ALPHA= 0.0132
QO= 1.34
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1964 ▲ 1966 + 1977 X 1975 ◆


02HC003 HUMBER RIVER AT WESTON
METHOD 1
ALPHA= 0.0127
QO= 1.02
MINIMUM FLOW M³/S
0.00
0.25
0.50
0.75
1.00
1.25
1.50
MAY
JUN
JUL
AUG
SEP
1949 ⊙ 1962 ▲ 1965 + 1950 X 1958 ◆

02HC025 HUMBER RIVER AT ELDER MILLS

DRAINAGE AREA 303 SQ KM NATURAL FLOW

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	1.21	MAY	1977	29	.93
1965	JUN	28	.49	MAY	1964	31	.97
1965	JUL	28	.65	MAY	1966	9	1.19
1965	AUG	1	.62	MAY	1965	31	1.21
1965	SEP	1	.67	MAY	1980	30	1.25
1964	MAY	31	.97	JUN	1965	28	.49
1964	JUN	30	.67	JUN	1964	30	.67
1964	JUL	1	.58	JUN	1978	30	.68
1964	AUG	2	.71	JUN	1963	29	.73
1964	SEP	3	.79	JUN	1977	24	.74
1966	MAY	9	1.19	JUL	1966	20	.53
1966	JUN	30	.75	JUL	1978	8	.54
1966	JUL	20	.53	JUL	1975	1	.58
1966	AUG	5	.60	JUL	1964	1	.58
1966	SEP	2	.67	JUL	1977	29	.60
1977	MAY	29	.93	AUG	1966	5	.60
1977	JUN	24	.74	AUG	1965	1	.62
1977	JUL	29	.60	AUG	1975	20	.63
1977	AUG	4	.89	AUG	1964	2	.71
1977	SEP	12	.91	AUG	1971	9	.73
1975	MAY	30	1.34	SEP	1965	1	.67
1975	JUN	30	.84	SEP	1966	2	.67
1975	JUL	1	.58	SEP	1973	12	.77
1975	AUG	28	.63	SEP	1964	3	.79
1975	SEP	11	.91	SEP	1972	1	.80

ALPHA= .0132 QO= 1.34

02HC003 HUMBER RIVER AT WESTON

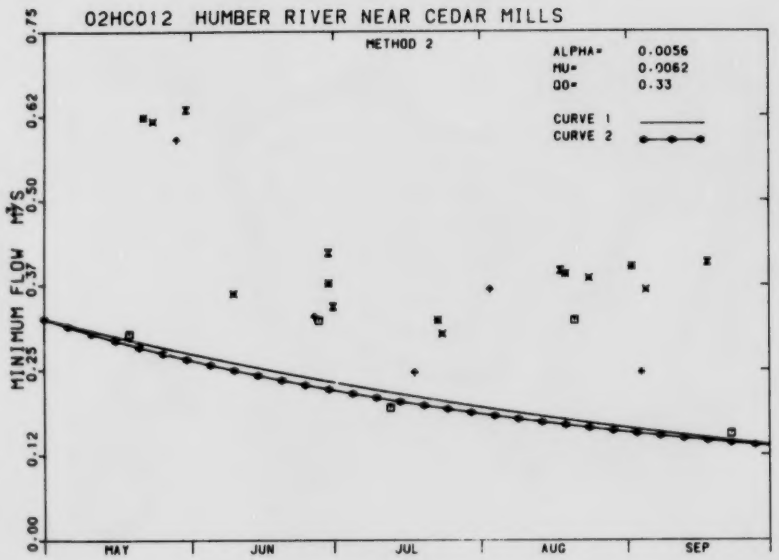
DRAINAGE AREA 800 SQ KM REGULATED

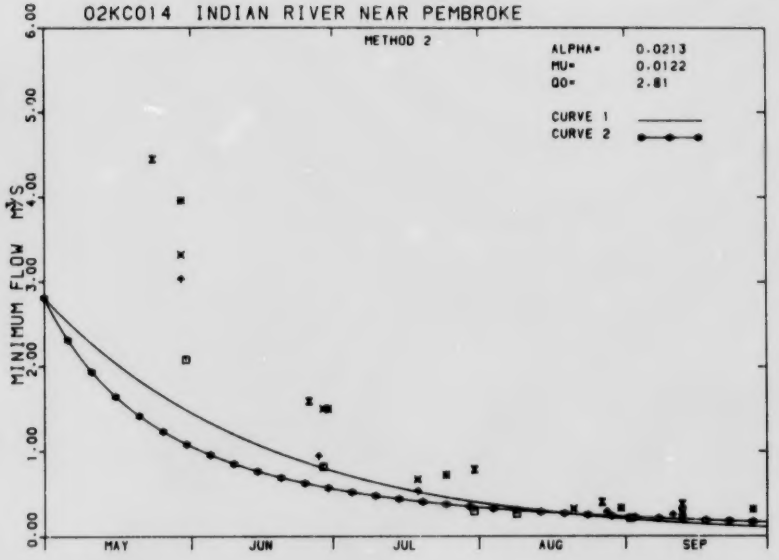
PERIOD OF RECORD 1949-80

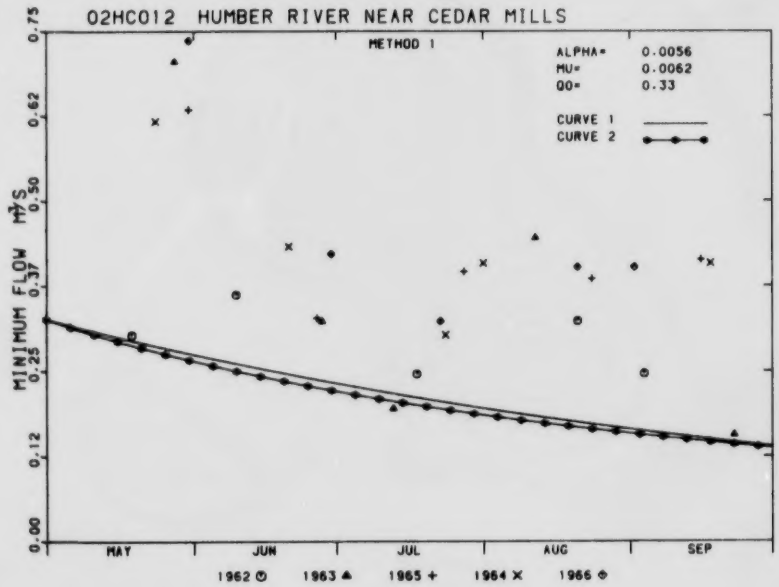
DISCHARGES IN CUBIC METRES PER SECOND

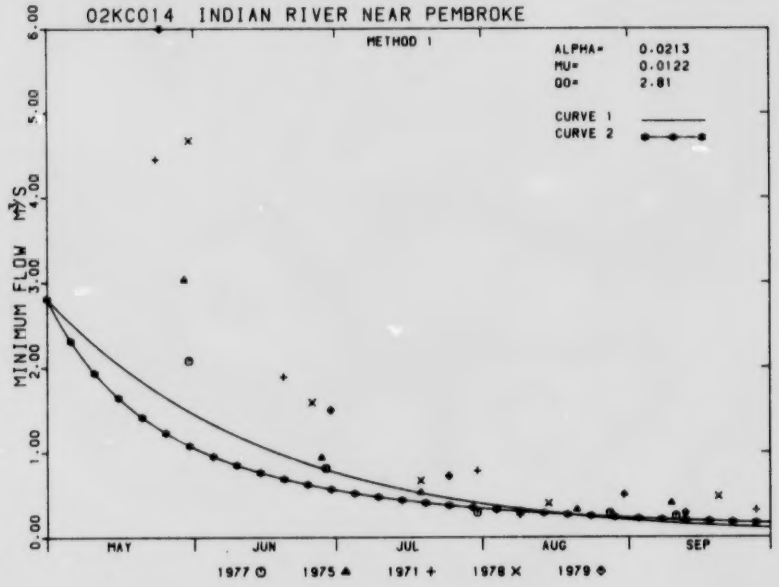
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	19	.85	MAY	1949	19	.85
1949	JUN	4	.85	MAY	1952	9	.85
1949	JUL	3	.40	MAY	1954	28	1.08
1949	AUG	23	.57	MAY	1962	21	1.17
1949	SEP	11	.40	MAY	1950	26	1.19
1962	MAY	21	1.17	JUN	1965	21	.67
1962	JUN	30	.85	JUN	1964	28	.80
1962	JUL	8	.61	JUN	1949	4	.85
1962	AUG	19	.78	JUN	1950	1	.85
1962	SEP	3	.76	JUN	1962	30	.85
1965	MAY	30	1.46	JUL	1953	16	.26
1965	JUN	21	.67	JUL	1949	3	.40
1965	JUL	30	.73	JUL	1962	8	.61
1965	AUG	25	.63	JUL	1977	28	.66
1965	SEP	4	.95	JUL	1966	26	.67
1950	MAY	26	1.19	AUG	1953	1	.40
1950	JUN	1	.85	AUG	1955	1	.48
1950	JUL	1	.85	AUG	1949	23	.57
1950	AUG	8	.85	AUG	1965	25	.63
1950	SEP	5	.85	AUG	1966	21	.67
1958	MAY	30	1.33	SEP	1949	11	.40
1958	JUN	19	.91	SEP	1953	5	.40
1958	JUL	29	.79	SEP	1962	3	.76
1958	AUG	5	.71	SEP	1966	12	.79
1958	SEP	29	1.05	SEP	1950	5	.85

ALPHA= .0127 QO= 1.02


02HC012 HUMBER RIVER NEAR CEDAR MILLS
METHOD 2
ALPHA= 0.0056
MU= 0.0062
QO= 0.33
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02KC014 INDIAN RIVER NEAR PEMBROKE
METHOD 2
ALPHA= 0.0213
MU= 0.0122
QO= 2.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP


02HC012 HUMBER RIVER NEAR CEDAR MILLS
METHOD 1
ALPHA= 0.0056
MU= 0.0062
QO= 0.33
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1962
1963
1965
1964
1966


02KC014 INDIAN RIVER NEAR PEMBROKE
METHOD 1
ALPHA= 0.0213
MU= 0.0122
QO= 2.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP
1977
1975
1971
1978
1979

02HC012 HUMBER RIVER NEAR CEDAR MILLS

DRAINAGE AREA 169 SQ KM REGULATED

PERIOD OF RECORD 1957-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	19	.303	MAY	1962	19	.303
1962	JUN	10	.362	MAY	1977	29	.589
1962	JUL	18	.246	MAY	1964	24	.617
1962	AUG	21	.323	MAY	1958	22	.623
1962	SEP	4	.246	MAY	1965	31	.634
1963	MAY	28	.705	JUN	1963	28	.323
1963	JUN	28	.323	JUN	1965	27	.328
1963	JUL	13	.195	JUN	1962	10	.362
1963	AUG	12	.445	JUN	1975	30	.377
1963	SEP	23	.156	JUN	1966	30	.422
1965	MAY	31	.634	JUL	1963	13	.195
1965	JUN	27	.328	JUL	1962	18	.246
1965	JUL	28	.396	JUL	1964	24	.303
1965	AUG	24	.385	JUL	1966	23	.323
1965	SEP	16	.413	JUL	1975	1	.343
1964	MAY	24	.617	AUG	1962	21	.323
1964	JUN	21	.433	AUG	1959	3	.368
1964	JUL	24	.303	AUG	1965	24	.385
1964	AUG	1	.408	AUG	1975	19	.391
1964	SEP	18	.408	AUG	1958	18	.396
1966	MAY	31	.736	SEP	1963	23	.156
1966	JUN	30	.422	SEP	1962	4	.246
1966	JUL	23	.323	SEP	1959	5	.368
1966	AUG	21	.402	SEP	1966	2	.402
1966	SEP	2	.402	SEP	1964	18	.408

ALPHA= .0056 MU= .0062 QO= .33

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	800.9	654.2	570.7	480.4	392.4	2898.6	1.72
CURVE 2	785.8	625.6	541.3	456.7	381.8	2793.2	1.65

02KC014 INDIAN RIVER NEAR PEMBROKE

DRAINAGE AREA 443 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

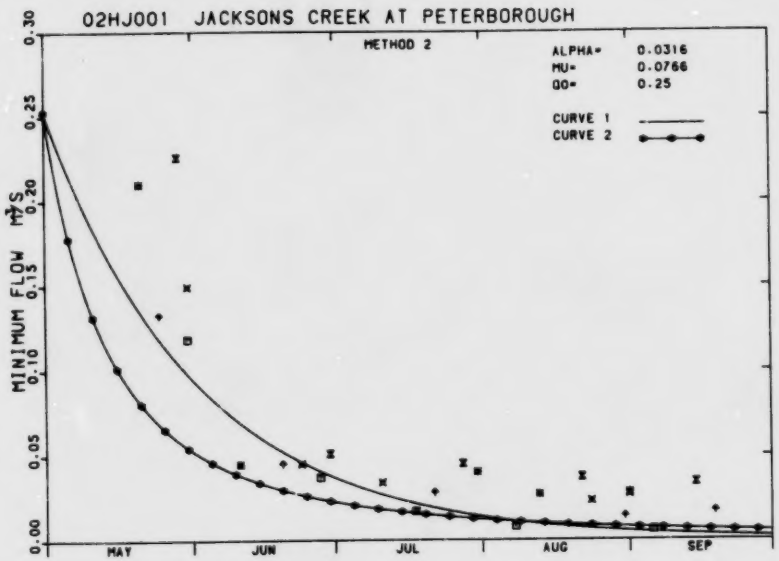
DISCHARGES IN CUBIC METRES PER SECOND

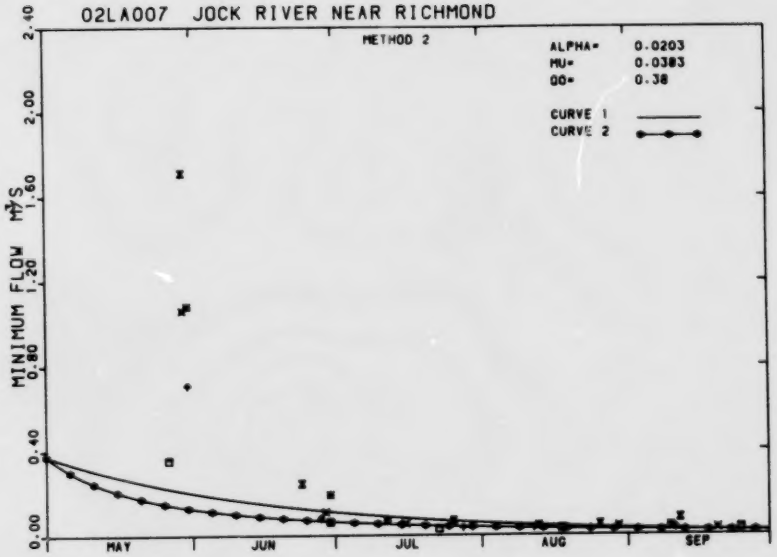
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	2.08	MAY	1977	31	2.08
1977	JUN	29	.82	MAY	1975	30	3.03
1977	JUL	31	.29	MAY	1980	30	3.32
1977	AUG	28	.28	MAY	1972	30	3.96
1977	SEP	11	.25	MAY	1971	24	4.45
1975	MAY	30	3.03	JUN	1977	29	.82
1975	JUN	28	.94	JUN	1975	28	.94
1975	JUL	19	.53	JUN	1970	29	1.50
1975	AUG	21	.32	JUN	1979	30	1.50
1975	SEP	10	.40	JUN	1978	26	1.59
1971	MAY	24	4.45	JUL	1977	31	.29
1971	JUN	20	1.89	JUL	1975	19	.53
1971	JUL	31	.78	JUL	1978	19	.67
1971	AUG	9	.26	JUL	1979	25	.72
1971	SEP	28	.32	JUL	1971	31	.78
1978	MAY	31	4.67	AUG	1971	9	.26
1978	JUN	26	1.59	AUG	1977	28	.28
1978	JUL	19	.67	AUG	1975	21	.32
1978	AUG	15	.40	AUG	1969	31	.33
1978	SEP	20	.48	AUG	1970	27	.40
1979	MAY	25	6.00	SEP	1969	2	.21
1979	JUN	30	1.50	SEP	1977	11	.25
1979	JUL	25	.72	SEP	1979	13	.28
1979	AUG	31	.50	SEP	1971	28	.32
1979	SEP	13	.28	SEP	1970	13	.38

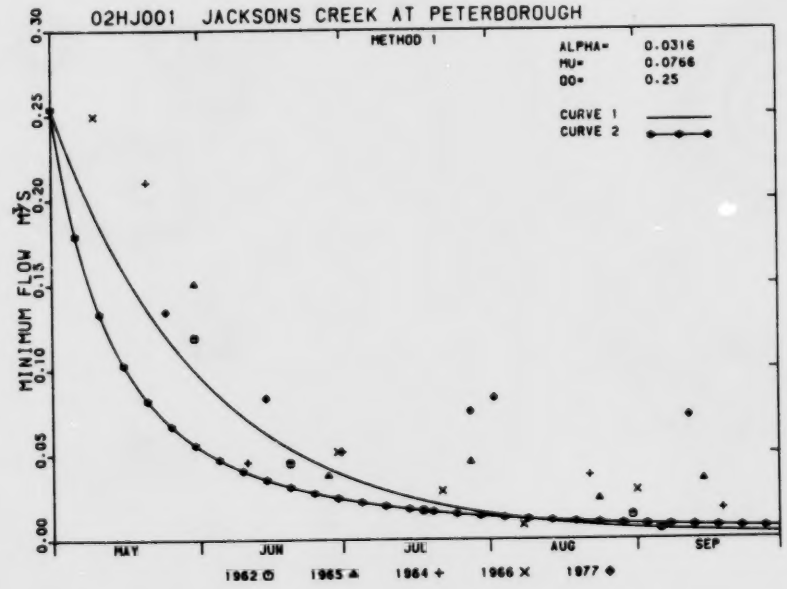
ALPHA= .0213 MU= .0122 QO= 2.81

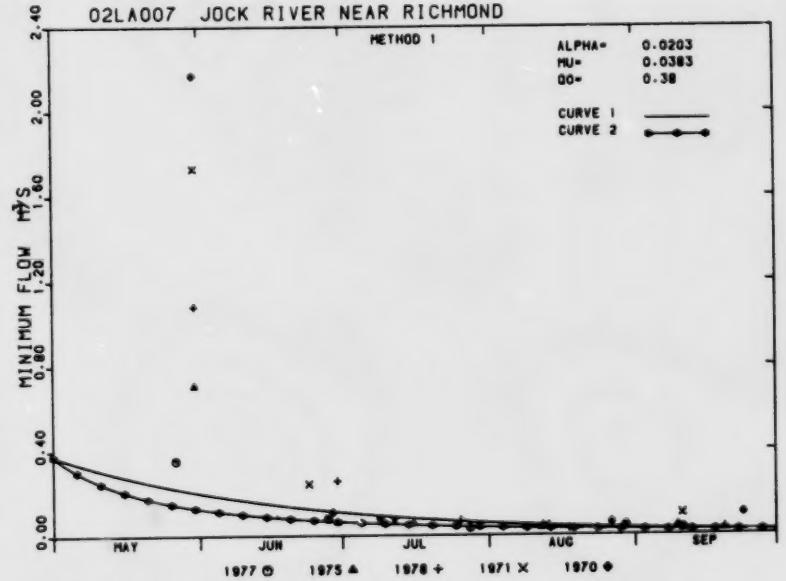
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	5502.9	2774.1	1496.7	772.2	389.3	10935.2	2.47
CURVE 2	4606.3	1984.9	1163.5	744.0	502.5	9001.1	2.03


02HJ001 JACKSONS CREEK AT PETERBOROUGH
METHOD 2
ALPHA= 0.0316
MU= 0.0766
QO= 0.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02LA007 JOCK RIVER NEAR RICHMOND
METHOD 2
ALPHA= 0.0203
MU= 0.0383
QO= 0.38
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02HJ001 JACKSONS CREEK AT PETERBOROUGH
METHOD 1
ALPHA= 0.0316
MU= 0.0766
QO= 0.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1962
1965
1964
1966
1977


02LA007 JOCK RIVER NEAR RICHMOND
METHOD 1
ALPHA= 0.0203
MU= 0.0383
QO= 0.38
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1977
1975
1978
1971
1970

02HJ001 JACKSONS CREEK AT PETERBOROUGH

DRAINAGE AREA 110 SQ KM NATURAL FLOW

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	31	.119	MAY	1962	31	.119
1962	JUN	20	.045	MAY	1977	25	.133
1962	JUL	18	.017	MAY	1965	31	.150
1962	AUG	31	.014	MAY	1964	21	.210
1962	SEP	6	.006	MAY	1980	29	.226
1965	MAY	31	.150	JUN	1965	28	.037
1965	JUN	28	.037	JUN	1962	20	.045
1965	JUL	28	.045	JUN	1963	24	.045
1965	AUG	24	.023	JUN	1964	11	.045
1965	SEP	15	.034	JUN	1966	30	.051
1964	MAY	21	.210	JUL	1962	18	.017
1964	JUN	11	.045	JUL	1966	22	.028
1964	JUL	1	.051	JUL	1963	11	.034
1964	AUG	22	.037	JUL	1968	31	.040
1964	SEP	19	.017	JUL	1965	28	.045
1966	MAY	10	.249	AUG	1966	8	.008
1966	JUN	30	.051	AUG	1962	31	.014
1966	JUL	22	.028	AUG	1965	24	.023
1966	AUG	8	.008	AUG	1968	13	.027
1966	SEP	1	.028	AUG	1964	22	.037
1977	MAY	25	.123	SEP	1962	6	.006
1977	JUN	15	.082	SEP	1964	19	.017
1977	JUL	28	.074	SEP	1968	1	.027
1977	AUG	2	.082	SEP	1966	1	.028
1977	SEP	12	.071	SEP	1965	15	.034

ALPHA= .0316 MU= .0766 QO= .25

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	431.7	158.9	62.8	23.6	8.7	685.7	.62
CURVE 2	308.7	89.2	44.5	26.0	16.6	484.9	.44

02LA007 JOCK RIVER NEAR RICHMOND

DRAINAGE AREA 559 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

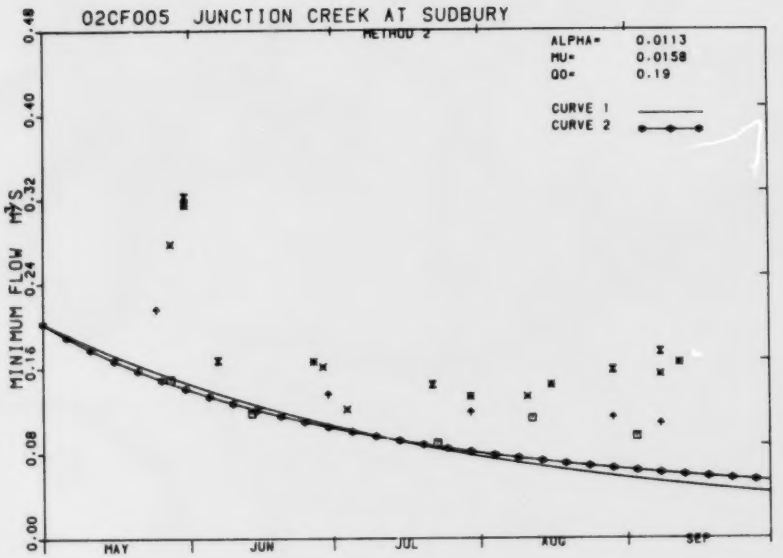
DISCHARGES IN CUBIC METRES PER SECOND

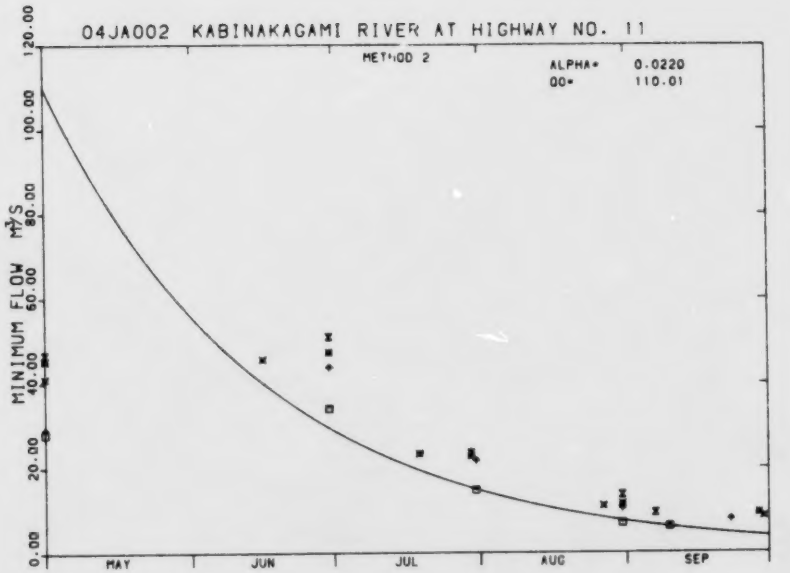
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	27	.35	MAY	1977	27	.35
1977	JUN	28	.08	MAY	1975	31	.71
1977	JUL	28	.03	MAY	1972	30	1.06
1977	AUG	30	.04	MAY	1978	31	1.08
1977	SEP	11	.03	MAY	1980	30	1.71
1975	MAY	31	.71	JUN	1975	30	.06
1975	JUN	30	.06	JUN	1977	28	.08
1975	JUL	16	.05	JUN	1970	29	.11
1975	AUG	12	.03	JUN	1979	30	.19
1975	SEP	10	.04	JUN	1971	24	.24
1978	MAY	31	1.08	JUL	1979	23	.03
1978	JUN	30	.26	JUL	1977	28	.03
1978	JUL	26	.07	JUL	1975	16	.05
1978	AUG	18	.03	JUL	1971	12	.07
1978	SEP	20	.03	JUL	1978	26	.07
1971	MAY	31	1.73	AUG	1978	18	.03
1971	JUN	24	.24	AUG	1975	12	.03
1971	JUL	12	.07	AUG	1977	30	.04
1971	AUG	13	.05	AUG	1971	13	.05
1971	SEP	11	.10	AUG	1980	26	.05
1970	MAY	31	2.17	SEP	1974	25	.03
1970	JUN	29	.11	SEP	1977	11	.03
1970	JUL	9	.08	SEP	1978	20	.03
1970	AUG	27	.06	SEP	1975	10	.04
1970	SEP	24	.10	SEP	1979	12	.08

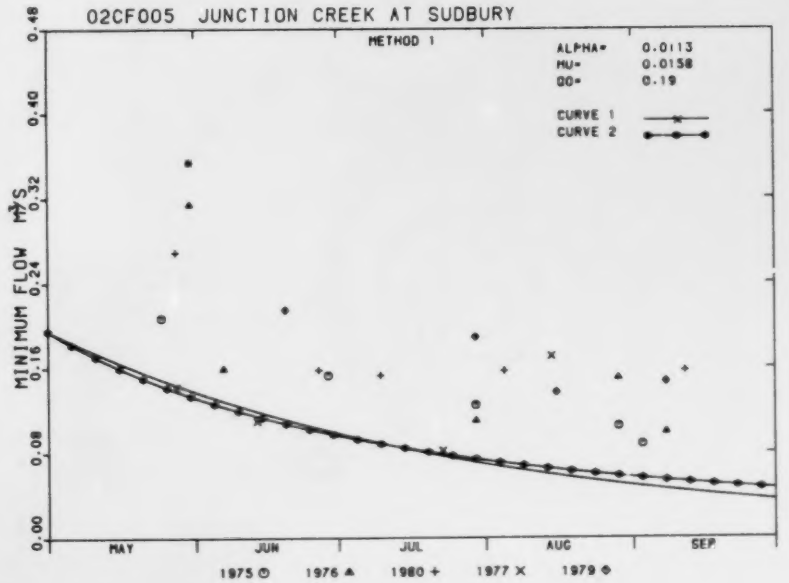
ALPHA= .0203 MU= .0383 QO= .38

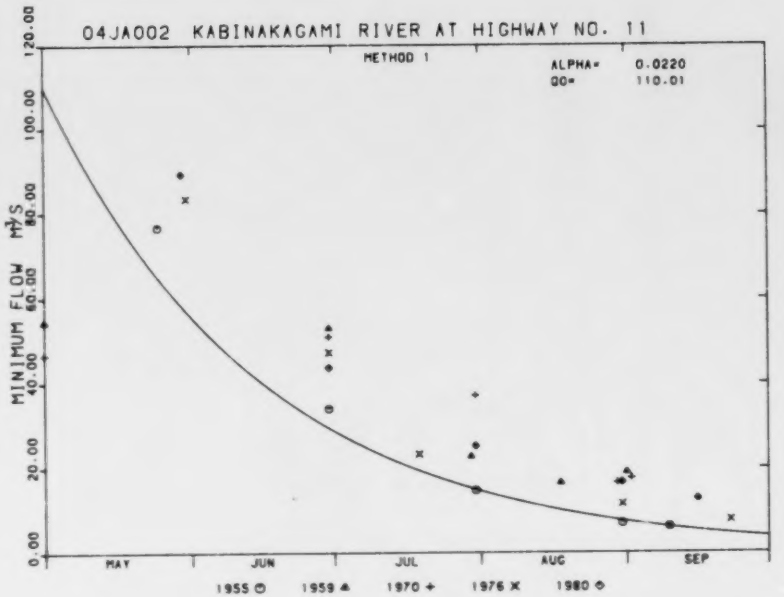
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	747.0	388.3	216.0	114.9	59.7	1526.0	.27
CURVE 2	582.8	231.8	131.0	81.9	54.6	1082.1	.19


02CF005 JUNCTION CREEK AT SUDBURY
METHOD 2
ALPHA= 0.0113
MU= 0.0158
QO= 0.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


04JA002 KABINAKAGAMI RIVER AT HIGHWAY NO. 11
METHOD 2
ALPHA= 0.0220
QO= 110.01
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02CF005 JUNCTION CREEK AT SUDBURY
METHOD 1
ALPHA= 0.0113
MU= 0.0158
QO= 0.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1976 ▲ 1980 + 1977 X 1979 ◆


04JA002 KABINAKAGAMI RIVER AT HIGHWAY NO. 11
METHOD 1
ALPHA= 0.0220
QO= 110.01
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1959 ▲ 1970 + 1976 X 1980 ◆

02CF005 JUNCTION CREEK AT SUDBURY

DRAINAGE AREA 89.1 SQ KM REGULATED

PERIOD OF RECORD 1958-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	25	.207	MAY	1977	28	.142
1975	JUN	29	.153	MAY	1975	25	.207
1975	JUL	30	.125	MAY	1980	28	.269
1975	AUG	29	.105	MAY	1965	31	.306
1975	SEP	3	.088	MAY	1976	31	.314
1976	MAY	31	.314	JUN	1977	14	.110
1976	JUN	7	.159	JUN	1978	30	.127
1976	JUL	30	.110	JUN	1975	29	.153
1976	AUG	29	.150	JUN	1980	27	.158
1976	SEP	8	.099	JUN	1976	7	.159
1980	MAY	28	.269	JUL	1977	23	.082
1980	JUN	27	.158	JUL	1976	30	.110
1980	JUL	10	.153	JUL	1978	4	.113
1980	AUG	5	.157	JUL	1975	30	.125
1980	SEP	12	.157	JUL	1967	22	.136
1977	MAY	28	.142	AUG	1974	12	.105
1977	JUN	14	.110	AUG	1975	29	.105
1977	JUL	23	.082	AUG	1978	11	.125
1977	AUG	15	.170	AUG	1979	16	.136
1977	SEP	11	.391	AUG	1976	29	.150
1979	MAY	31	.353	SEP	1975	3	.088
1979	JUN	20	.214	SEP	1976	8	.099
1979	JUL	30	.188	SEP	1979	8	.146
1979	AUG	16	.136	SEP	1980	12	.157
1979	SEP	8	.146	SEP	1974	8	.167

ALPHA= .0113 MU= .0158 QO= .19

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	438.7	300.9	220.5	155.5	106.6	1222.2	1.37
CURVE 2	427.4	290.2	222.1	170.4	131.0	1241.2	1.39

04JA002 KABINAKAGAMI RIVER AT HIGHWAY NO. 11

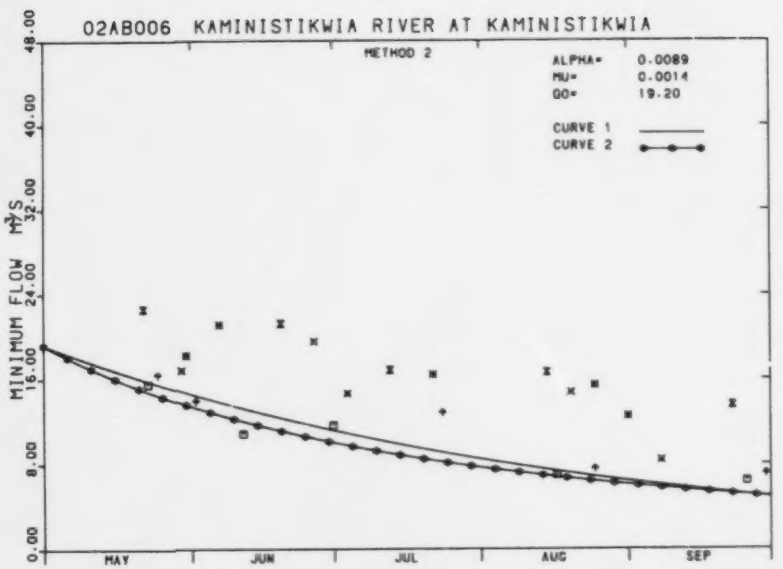
DRAINAGE AREA 3780 SQ KM NATURAL FLOW

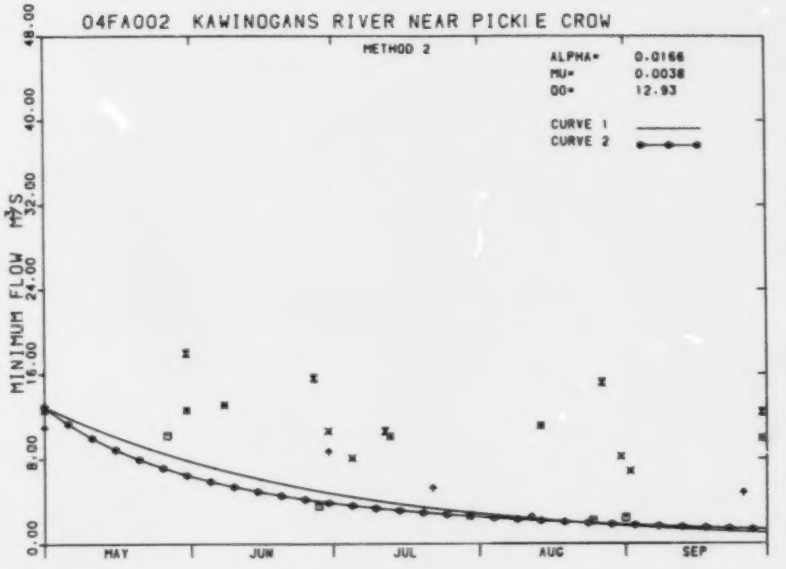
PERIOD OF RECORD 1950-80

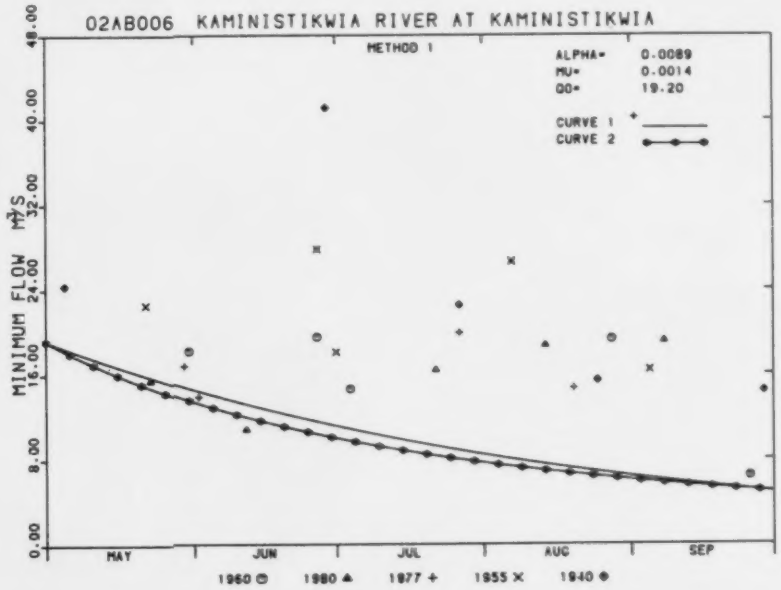
DISCHARGES IN CUBIC METRES PER SECOND

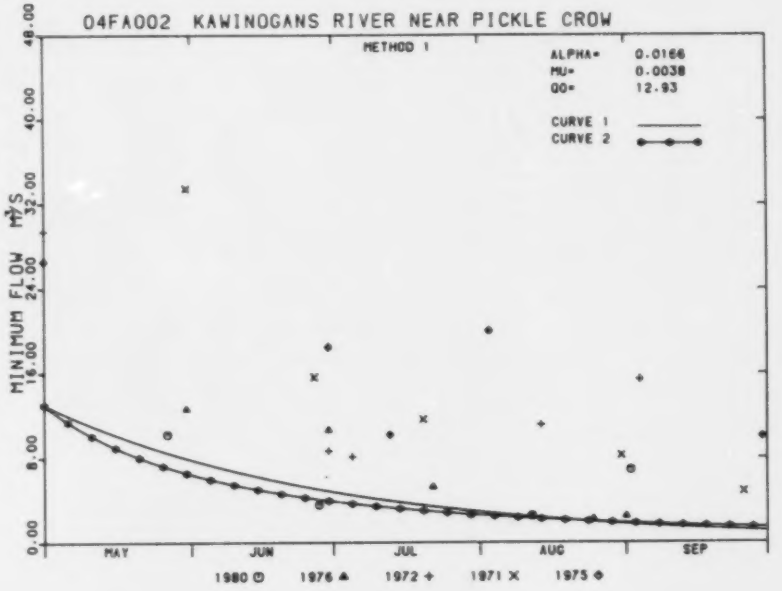
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	25	76.70	MAY	1974	1	28.00
1955	JUN	30	34.00	MAY	1956	1	28.90
1955	JUL	31	14.70	MAY	1962	1	41.10
1955	AUG	31	6.97	MAY	1978	1	45.30
1955	SEP	10	6.12	MAY	1970	1	46.70
1959	MAY	1	54.40	JUN	1955	30	34.00
1959	JUN	30	53.00	JUN	1980	30	43.70
1959	JUL	30	22.70	JUN	1977	16	45.60
1959	AUG	18	16.40	JUN	1976	30	47.30
1959	SEP	1	18.90	JUN	1970	30	51.00
1970	MAY	1	46.70	JUL	1955	31	14.70
1970	JUN	30	51.00	JUL	1977	31	21.60
1970	JUL	31	37.10	JUL	1959	30	22.70
1970	AUG	30	16.90	JUL	1976	19	23.30
1970	SEP	2	17.60	JUL	1965	30	23.50
1976	MAY	31	83.50	AUG	1955	31	6.97
1976	JUN	30	47.30	AUG	1975	31	10.30
1976	JUL	19	23.30	AUG	1952	27	11.00
1976	AUG	31	11.50	AUG	1976	31	11.50
1976	SEP	23	7.70	AUG	1967	31	13.60
1980	MAY	30	89.30	SEP	1955	10	6.12
1980	JUN	30	43.70	SEP	1976	23	7.70
1980	JUL	31	25.20	SEP	1967	30	8.50
1980	AUG	31	16.60	SEP	1969	29	9.34
1980	SEP	16	12.70	SEP	1975	7	9.34

ALPHA= .0220 QO= 110.01


02AB006 KAMINISTIKWIA RIVER AT KAMINISTIKWIA
METHOD 2
ALPHA= 0.0089
MU= 0.0014
QO= 19.20
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04FA002 KAWINOGANS RIVER NEAR PICKLE CROW
METHOD 2
ALPHA= 0.0166
MU= 0.0038
QO= 12.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02AB006 KAMINISTIKWIA RIVER AT KAMINISTIKWIA
METHOD 1
ALPHA= 0.0089
MU= 0.0014
QO= 19.20
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1960 ⊙ 1980 ▲ 1977 + 1955 × 1940 ◆


04FA002 KAWINOGANS RIVER NEAR PICKLE CROW
METHOD 1
ALPHA= 0.0166
MU= 0.0038
QO= 12.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1972 + 1971 × 1975 ◆

02AB006 KAMINISTIKWIA RIVER AT KAMINISTIKWIA

DRAINAGE AREA 6480 SQ KM REGULATED

PERIOD OF RECORD 1926-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1960	MAY	31	18.20	MAY	1980	23	15.50
1960	JUN	27	19.50	MAY	1941	25	16.40
1960	JUL	4	14.60	MAY	1977	30	16.80
1960	AUG	28	19.30	MAY	1960	31	18.20
1960	SEP	26	6.40	MAY	1955	22	22.60
1980	MAY	23	15.50	JUN	1980	12	10.80
1980	JUN	12	10.80	JUN	1977	2	13.90
1980	JUL	22	16.40	JUN	1960	27	19.50
1980	AUG	14	18.70	JUN	1976	7	21.10
1980	SEP	8	19.10	JUN	1948	20	21.20
1977	MAY	30	16.80	JUL	1961	1	11.60
1977	JUN	2	13.90	JUL	1967	24	12.80
1977	JUL	27	19.90	JUL	1960	4	14.60
1977	AUG	20	14.70	JUL	1980	22	16.40
1977	SEP	2	40.20	JUL	1962	13	16.80
1955	MAY	22	22.60	AUG	1970	17	6.94
1955	JUN	27	27.80	AUG	1964	25	7.53
1955	JUL	1	18.10	AUG	1977	20	14.70
1955	AUG	7	26.60	AUG	1940	25	15.40
1955	SEP	5	16.40	AUG	1976	15	16.60
1940	MAY	5	24.40	SEP	1960	26	6.40
1940	JUN	29	41.10	SEP	1970	30	7.08
1940	JUL	27	22.50	SEP	1972	8	8.35
1940	AUG	25	15.40	SEP	1964	1	12.50
1940	SEP	29	14.40	SEP	1966	23	13.50

ALPHA= .0089 MU= .0014 QO= 19.20

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	44911.4	33093.3	26048.3	19749.3	14552.4	138354.7	2.14
CURVE 2	42969.9	29987.5	23418.4	18246.7	14191.7	128814.1	1.99

04FA002 KAWINOGANS RIVER NEAR PICKLE CROW

DRAINAGE AREA 1540 SQ KM REGULATED

PERIOD OF RECORD 1967-80

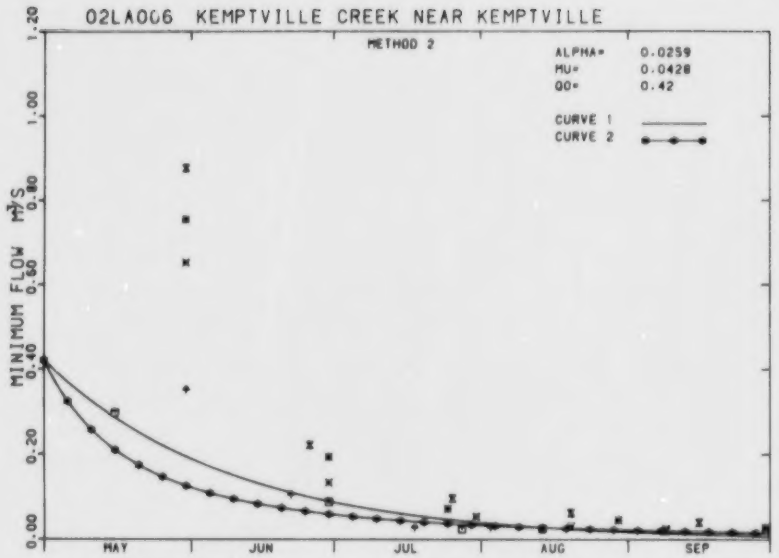
DISCHARGES IN CUBIC METRES PER SECOND

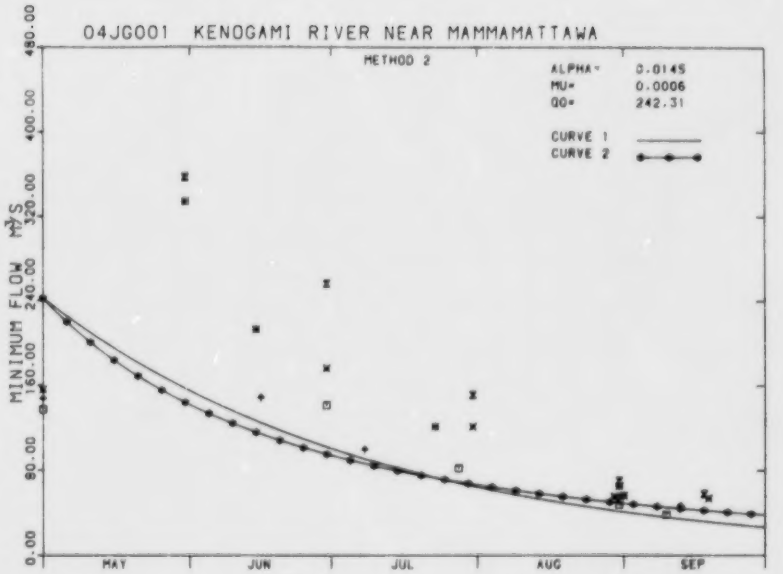
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	27	10.20	MAY	1980	27	10.20
1980	JUN	28	3.56	MAY	1978	1	10.90
1980	JUL	30	2.65	MAY	1974	1	12.60
1980	AUG	12	2.50	MAY	1976	31	12.60
1980	SEP	2	6.85	MAY	1973	31	18.00
1976	MAY	31	12.60	JUN	1980	28	3.56
1976	JUN	30	10.60	JUN	1972	30	8.64
1976	JUL	22	5.21	JUN	1976	30	10.60
1976	AUG	25	2.17	JUN	1973	8	13.10
1976	SEP	1	2.44	JUN	1971	27	15.60
1972	MAY	1	29.40	JUL	1980	30	2.65
1972	JUN	30	8.64	JUL	1976	22	5.21
1972	JUL	5	8.07	JUL	1972	5	8.07
1972	AUG	14	11.10	JUL	1975	13	10.10
1972	SEP	4	15.40	JUL	1979	12	10.60
1971	MAY	31	33.40	AUG	1976	25	2.17
1971	JUN	27	15.60	AUG	1980	12	2.50
1971	JUL	20	11.60	AUG	1971	31	8.21
1971	AUG	31	8.21	AUG	1972	14	11.10
1971	SEP	26	4.79	AUG	1977	27	15.20
1975	MAY	1	26.50	SEP	1976	1	2.44
1975	JUN	30	18.40	SEP	1971	26	4.79
1975	JUL	13	10.10	SEP	1980	2	6.85
1975	AUG	3	19.90	SEP	1975	30	9.94
1975	SEP	30	9.94	SEP	1978	30	12.40

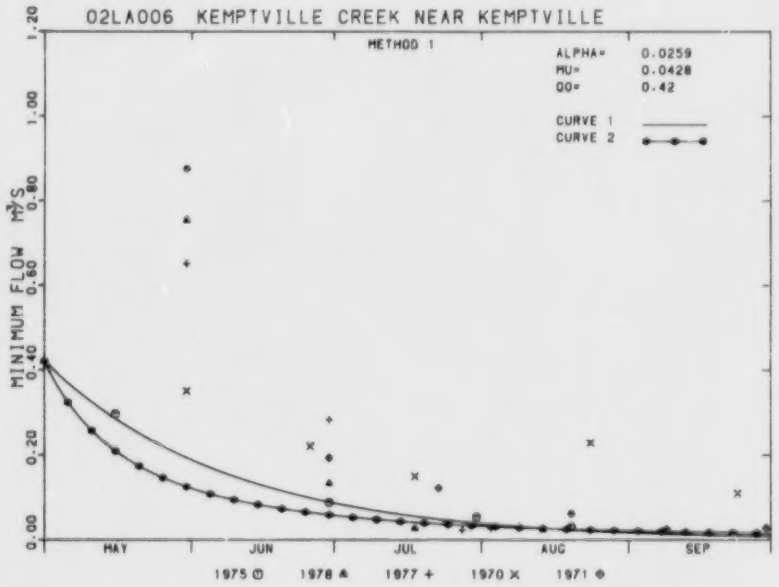
ALPHA= .0166 MU= .0038 QO= 12.93

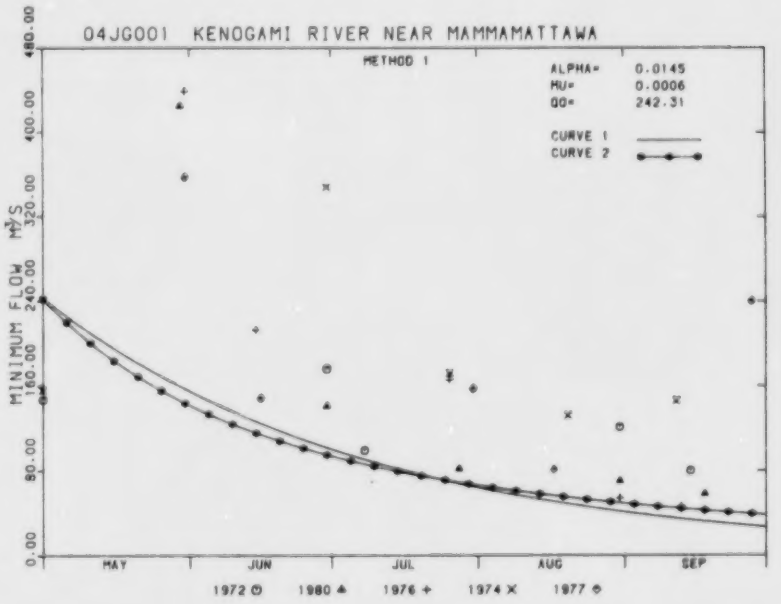
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	27073.7	15779.6	9834.1	5877.9	3425.9	61991.2	4.03
CURVE 2	24244.6	12728.2	8270.3	5645.2	3984.2	54872.5	3.56


02LA006 KEMPTVILLE CREEK NEAR KEMPTVILLE
METHOD 2
ALPHA= 0.0259
MU= 0.0428
QO= 0.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


04JG001 KENOGAMI RIVER NEAR MAMMAMATTAWA
METHOD 2
ALPHA= 0.0145
MU= 0.0006
QO= 242.31
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480.00
MAY
JUN
JUL
AUG
SEP


02LA006 KEMPTVILLE CREEK NEAR KEMPTVILLE
METHOD 1
ALPHA= 0.0259
MU= 0.0428
QO= 0.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1978 ▲ 1977 + 1970 × 1971 ◆


04JG001 KENOGAMI RIVER NEAR MAMMAMATTAWA
METHOD 1
ALPHA= 0.0145
MU= 0.0006
QO= 242.31
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
80.00
160.00
240.00
320.00
400.00
480.00
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1980 ▲ 1976 + 1974 × 1977 ◆

02LA006 KEMPTVILLE CREEK NEAR KEMPTVILLE

DRAINAGE AREA 409 SQ KM REGULATED

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

	METHOD 1			METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	16	.297	MAY	1975	16	.297
1975	JUN	30	.088	MAY	1970	31	.351
1975	JUL	31	.054	MAY	1977	31	.651
1975	AUG	20	.031	MAY	1978	31	.753
1975	SEP	9	.022	MAY	1971	31	.875
1978	MAY	31	.753	JUN	1975	30	.088
1978	JUN	30	.133	JUN	1980	22	.105
1978	JUL	18	.028	JUN	1978	30	.133
1978	AUG	14	.025	JUN	1971	30	.193
1978	SEP	9	.020	JUN	1970	26	.221
1977	MAY	31	.651	JUL	1977	28	.024
1977	JUN	30	.283	JUL	1978	18	.028
1977	JUL	28	.024	JUL	1975	31	.054
1977	AUG	3	.028	JUL	1979	25	.072
1977	SEP	9	.025	JUL	1980	26	.096
1970	MAY	31	.351	AUG	1978	14	.025
1970	JUN	26	.221	AUG	1977	3	.028
1970	JUL	18	.150	AUG	1975	20	.031
1970	AUG	24	.229	AUG	1973	30	.045
1970	SEP	24	.110	AUG	1971	20	.062
1971	MAY	31	.875	SEP	1978	9	.020
1971	JUN	30	.193	SEP	1975	9	.022
1971	JUL	23	.122	SEP	1977	9	.025
1971	AUG	20	.062	SEP	1971	30	.028
1971	SEP	30	.028	SEP	1973	16	.040

ALPHA= .0259 MU= .0428 QO= .42

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	774.7	339.8	159.7	71.6	31.4	1377.0	.34
CURVE 2	605.3	217.4	117.6	71.7	47.0	1058.9	.26

04JG001 KENOGAMI RIVER NEAR MAMMAMATTAWA

DRAINAGE AREA 26200 SQ KM REGULATED

PERIOD OF RECORD 1966-80

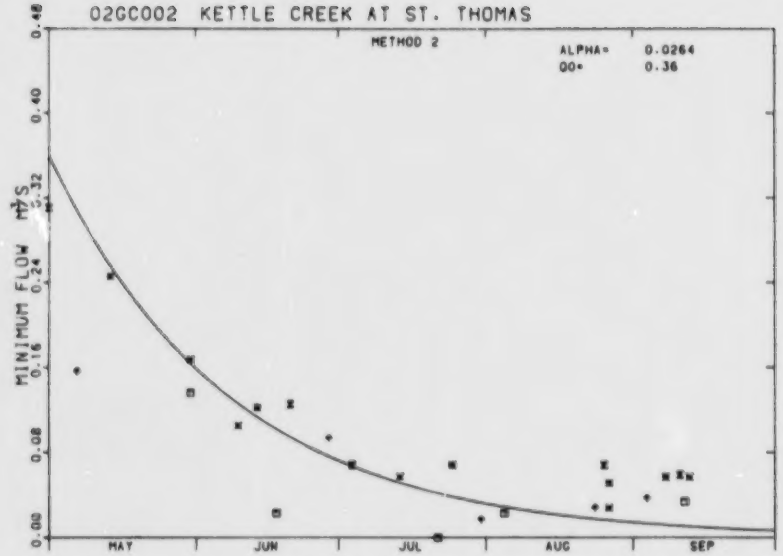
DISCHARGES IN CUBIC METRES PER SECOND

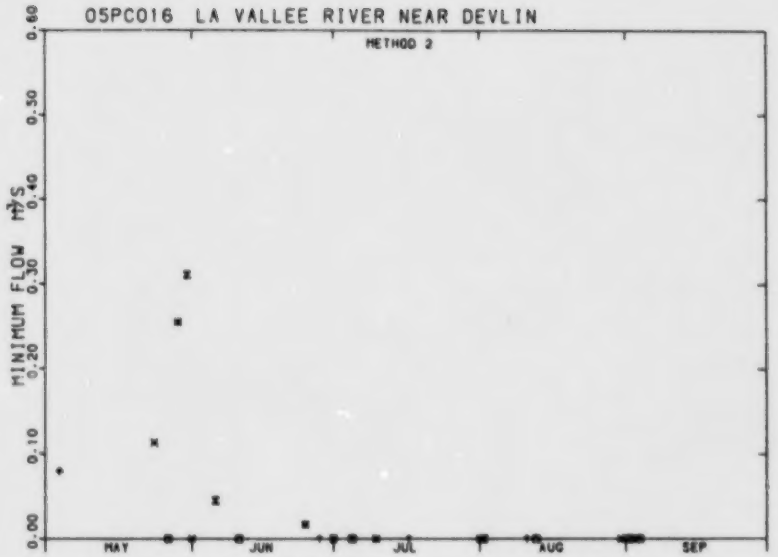
	METHOD 1			METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	1	147.00	MAY	1978	1	137.00
1972	JUN	30	176.00	MAY	1972	1	147.00
1972	JUL	8	99.10	MAY	1974	1	156.00
1972	AUG	31	121.00	MAY	1968	31	334.00
1972	SEP	15	79.90	MAY	1977	31	357.00
1980	MAY	30	425.00	JUN	1980	30	141.00
1980	JUN	30	141.00	JUN	1977	16	148.00
1980	JUL	28	81.70	JUN	1972	30	176.00
1980	AUG	31	70.10	JUN	1976	15	213.00
1980	SEP	18	57.90	JUN	1967	30	256.00
1976	MAY	31	439.00	JUL	1980	28	81.70
1976	JUN	15	213.00	JUL	1972	8	99.10
1976	JUL	26	166.00	JUL	1970	31	121.00
1976	AUG	31	54.10	JUL	1975	23	121.00
1976	SEP	13	46.20	JUL	1967	31	151.00
1974	MAY	1	156.00	AUG	1975	31	47.90
1974	JUN	30	348.00	AUG	1976	31	54.10
1974	JUL	26	172.00	AUG	1970	30	55.50
1974	AUG	20	132.00	AUG	1978	31	65.40
1974	SEP	12	146.00	AUG	1980	31	70.10
1977	MAY	31	357.00	SEP	1975	10	38.50
1977	JUN	16	148.00	SEP	1976	13	46.20
1977	JUL	31	157.00	SEP	1967	19	53.80
1977	AUG	17	81.00	SEP	1970	1	56.40
1977	SEP	28	240.00	SEP	1980	18	57.90

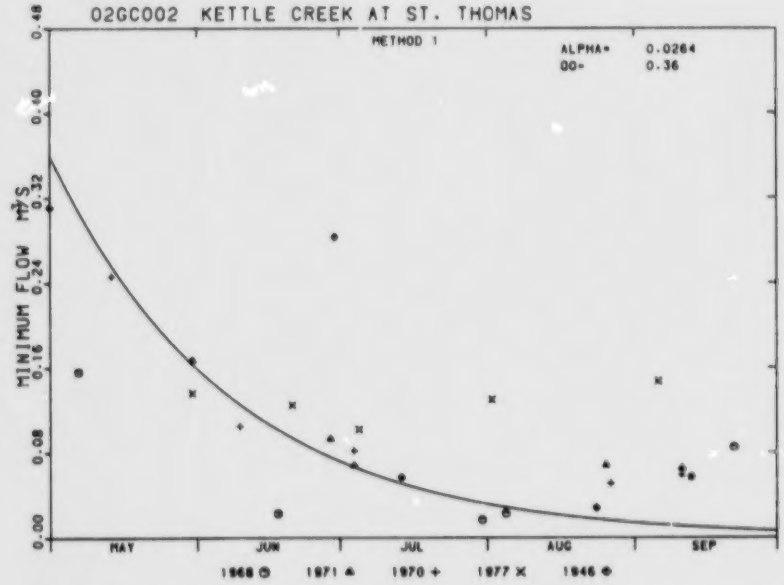
ALPHA= .0145 MU= .0006 QO= 242.31

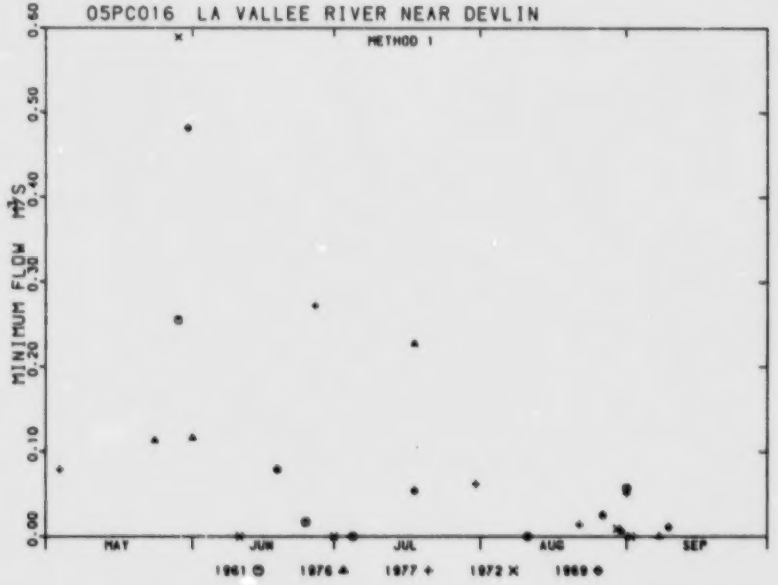
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	522939.7	325274.2	216266.6	138075.1	85884.2	1288439.8	4.92
CURVE 2	495914.6	298554.9	210703.9	152231.9	111859.5	1269264.7	4.84


02GC002 KETTLE CREEK AT ST. THOMAS
METHOD 2
ALPHA= 0.0264
QO= 0.36
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


05PC016 LA VALLEE RIVER NEAR DEVLIN
METHOD 2
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02GC002 KETTLE CREEK AT ST. THOMAS
METHOD 1
ALPHA= 0.0264
QO= 0.36
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1968
1971
1970
1977
1946


05PC016 LA VALLEE RIVER NEAR DEVLIN
METHOD 1
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
MAY
JUN
JUL
AUG
SEP
1961
1976
1977
1972
1969

02GC002 KETTLE CREEK AT ST. THOMAS

DRAINAGE AREA 329 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1968	MAY	7	.156	MAY	1977	31	.136
1968	JUN	18	.023	MAY	1968	7	.156
1968	JUL	31	.017	MAY	1971	31	.167
1968	AUG	5	.023	MAY	1970	14	.246
1968	SEP	22	.085	MAY	1966	1	.311
1971	MAY	31	.167	JUN	1968	18	.023
1971	JUN	29	.093	JUN	1971	29	.093
1971	JUL	4	.068	JUN	1970	10	.105
1971	AUG	26	.068	JUN	1972	4	.122
1971	SEP	11	.065	JUN	1977	21	.125
1970	MAY	14	.246	JUL	1976	22	0.000
1970	JUN	10	.105	JUL	1968	31	.017
1970	JUL	4	.082	JUL	1966	14	.057
1970	AUG	27	.051	JUL	1969	25	.068
1970	SEP	11	.059	JUL	1971	4	.068
1977	MAY	31	.136	AUG	1968	5	.023
1977	JUN	21	.125	AUG	1966	24	.028
1977	JUL	5	.102	AUG	1969	27	.028
1977	AUG	2	.130	AUG	1970	27	.051
1977	SEP	6	.147	AUG	1971	26	.068
1966	MAY	1	.311	SEP	1973	12	.034
1966	JUN	30	.283	SEP	1969	4	.037
1966	JUL	14	.057	SEP	1966	13	.057
1966	AUG	24	.028	SEP	1976	8	.057
1966	SEP	13	.057	SEP	1970	11	.059

ALPHA= .0264 QO= .36

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.311	.174	.092	.086	.070

05PC016 LA VALLEE RIVER NEAR DEVLIN

DRAINAGE AREA 243 SQ KM NATURAL FLOW

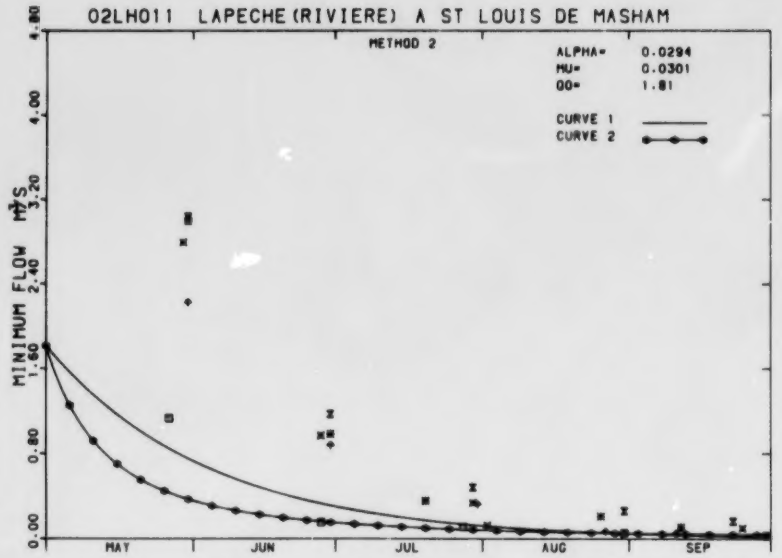
PERIOD OF RECORD 1960-80

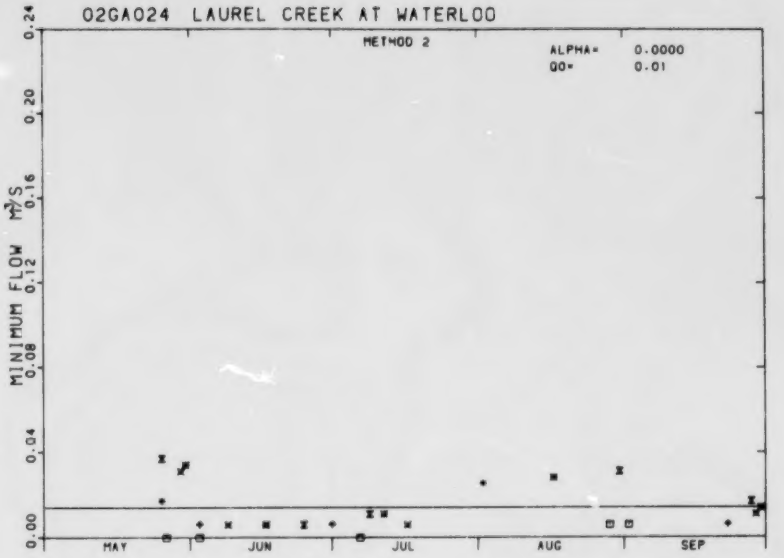
DISCHARGES IN CUBIC METRES PER SECOND

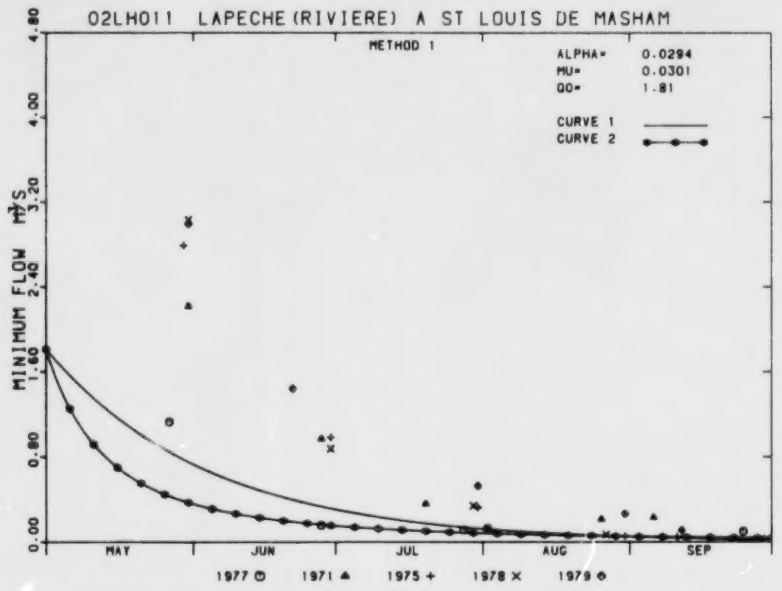
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1961	MAY	29	.255	MAY	1980	27	0.000
1961	JUN	25	.017	MAY	1977	4	.079
1961	JUL	9	0.000	MAY	1976	24	.113
1961	AUG	11	0.000	MAY	1961	29	.255
1961	SEP	1	.057	MAY	1960	31	.311
1976	MAY	24	.113	JUN	1972	11	0.000
1976	JUN	1	.116	JUN	1979	28	0.000
1976	JUL	18	.227	JUN	1980	1	0.000
1976	AUG	31	.006	JUN	1961	25	.017
1976	SEP	8	0.000	JUN	1964	6	.045
1977	MAY	4	.079	JUL	1961	5	0.000
1977	JUN	27	.272	JUL	1970	17	0.000
1977	JUL	31	.062	JUL	1972	1	0.000
1977	AUG	22	.014	JUL	1973	10	0.000
1977	SEP	1	.051	JUL	1979	1	0.000
1972	MAY	29	.589	AUG	1960	13	0.000
1972	JUN	11	0.000	AUG	1961	11	0.000
1972	JUL	1	0.000	AUG	1963	31	0.000
1972	AUG	30	.009	AUG	1970	1	0.000
1972	SEP	2	0.000	AUG	1971	2	0.000
1969	MAY	31	.481	SEP	1960	4	0.000
1969	JUN	19	.079	SEP	1963	1	0.000
1969	JUL	18	.054	SEP	1967	3	0.000
1969	AUG	27	.025	SEP	1970	1	0.000
1969	SEP	10	.011	SEP	1972	2	0.000

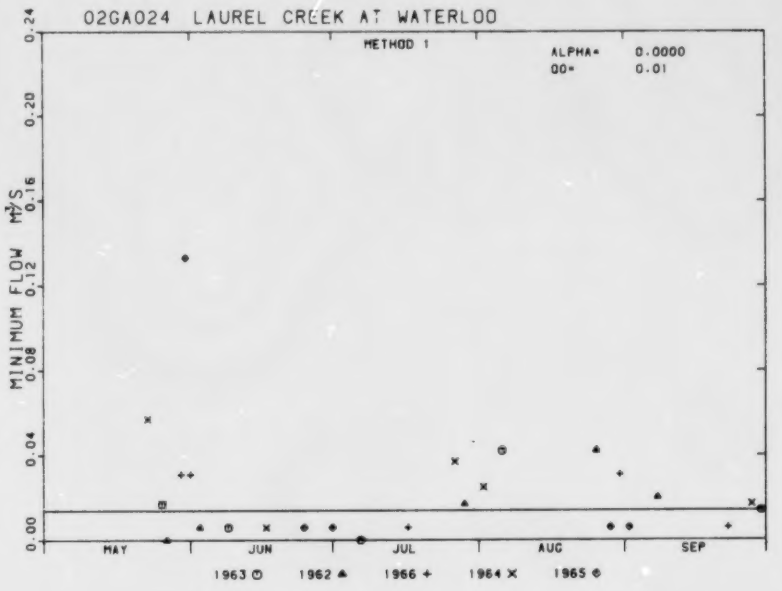
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
0.000	0.000	0.000	0.000	0.000


02LH011 LAPECHE (RIVIERE) A ST LOUIS DE MASHAM
METHOD 2
ALPHA= 0.0294
MU= 0.0301
QO= 1.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02GA024 LAUREL CREEK AT WATERLOO
METHOD 2
ALPHA= 0.0000
QO= 0.01
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02LH011 LAPECHE (RIVIERE) A ST LOUIS DE MASHAM
METHOD 1
ALPHA= 0.0294
MU= 0.0301
QO= 1.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1977
1971
1975
1978
1979


02GA024 LAUREL CREEK AT WATERLOO
METHOD 1
ALPHA= 0.0000
QO= 0.01
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1963
1962
1966
1964
1965

02LH011 LAPECHE(RIVIERE) A ST LOUIS DE MASHAM

DRAINAGE AREA 117 SQ KM REGULATED

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1977	MAY	27	1.13
1977	JUN	28	.16
1977	JUL	28	.11
1977	AUG	2	.13
1977	SEP	25	.10
1971	MAY	31	2.22
1971	JUN	28	.97
1971	JUL	20	.36
1971	AUG	26	.21
1971	SEP	6	.23
1975	MAY	30	2.79
1975	JUN	30	.98
1975	JUL	31	.32
1975	AUG	31	.05
1975	SEP	11	.05
1978	MAY	31	3.03
1978	JUN	30	.88
1978	JUL	30	.34
1978	AUG	27	.07
1978	SEP	30	.03
1979	MAY	31	2.99
1979	JUN	22	1.44
1979	JUL	31	.53
1979	AUG	31	.26
1979	SEP	12	.11

METHOD 2

MONTH	YEAR	DAY	FLOW
MAY	1977	27	1.13
MAY	1971	31	2.22
MAY	1975	30	2.79
MAY	1979	31	2.99
MAY	1978	31	3.03
JUN	1977	28	.16
JUN	1978	30	.88
JUN	1971	28	.97
JUN	1975	30	.98
JUN	1976	30	1.17
JUL	1977	28	.11
JUL	1975	31	.32
JUL	1978	30	.34
JUL	1971	20	.36
JUL	1976	30	.48
AUG	1975	31	.05
AUG	1978	27	.07
AUG	1977	2	.13
AUG	1971	26	.21
AUG	1979	31	.26
SEP	1978	30	.03
SEP	1975	11	.05
SEP	1977	25	.10
SEP	1979	12	.11
SEP	1974	23	.16

ALPHA= .0294 MU= .0301 QO= 1.81

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3186.9	1256.8	531.5	213.9	84.3	5273.4	4.51
CURVE 2	2150.1	598.8	295.2	171.2	108.8	3324.2	2.84

02GA024 LAUREL CREEK AT WATERLOO

DRAINAGE AREA 59.6 SQ KM REGULATED

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1963	MAY	26	.017
1963	JUN	9	.006
1963	JUL	7	0.000
1963	AUG	6	.042
1963	SEP	30	.014
1962	MAY	27	0.000
1962	JUN	3	.006
1962	JUL	29	.017
1962	AUG	26	.042
1962	SEP	8	.020
1966	MAY	30	.031
1966	JUN	1	.031
1966	JUL	17	.006
1966	AUG	31	.031
1966	SEP	23	.006
1964	MAY	23	.057
1964	JUN	17	.006
1964	JUL	27	.037
1964	AUG	2	.025
1964	SEP	28	.017
1965	MAY	31	.133
1965	JUN	25	.006
1965	JUL	1	.006
1965	AUG	29	.006
1965	SEP	2	.006

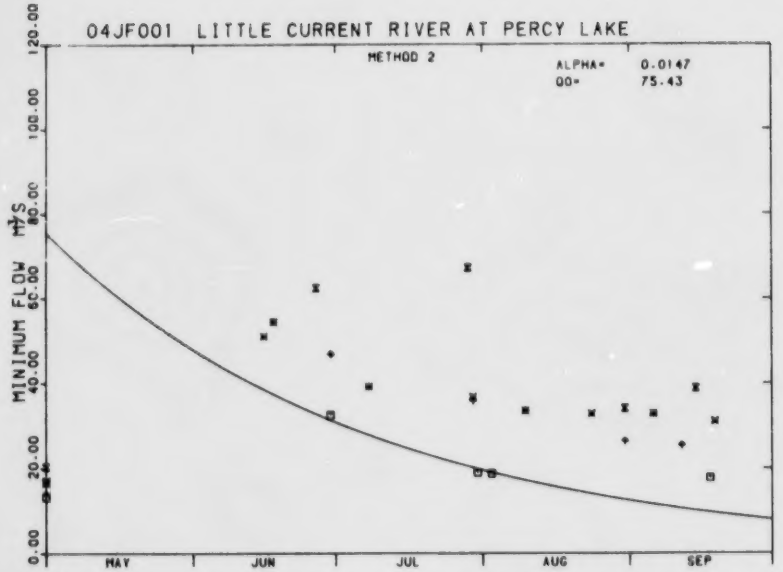
METHOD 2

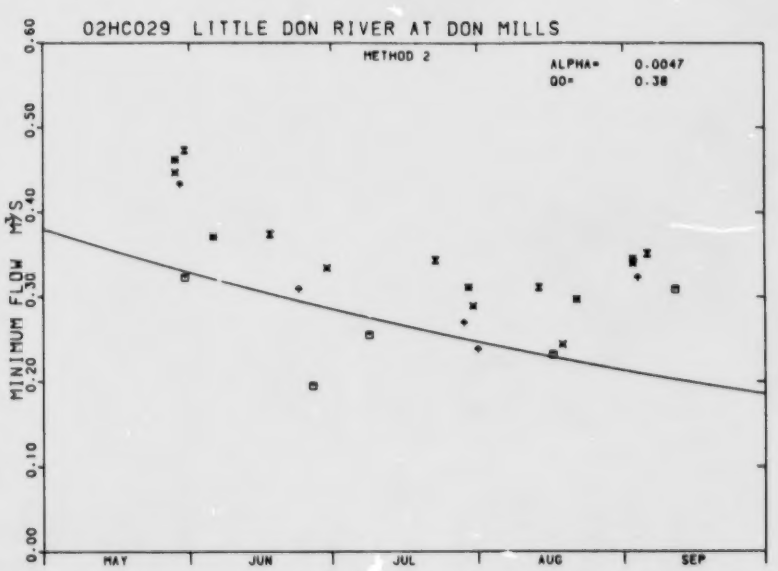
MONTH	YEAR	DAY	FLOW
MAY	1962	27	0.000
MAY	1963	26	.017
MAY	1966	30	.031
MAY	1977	31	.034
MAY	1968	26	.037
JUN	1978	3	0.000
JUN	1962	3	.005
JUN	1963	9	.006
JUN	1964	17	.006
JUN	1965	25	.006
JUL	1963	7	0.000
JUL	1965	1	.006
JUL	1966	17	.006
JUL	1959	12	.011
JUL	1960	9	.011
AUG	1965	29	.006
AUG	1964	2	.025
AUG	1967	17	.028
AUG	1968	17	.028
AUG	1966	31	.031
SEP	1965	2	.006
SEP	1966	23	.006
SEP	1961	29	.011
SEP	1963	30	.014
SEP	1964	28	.017

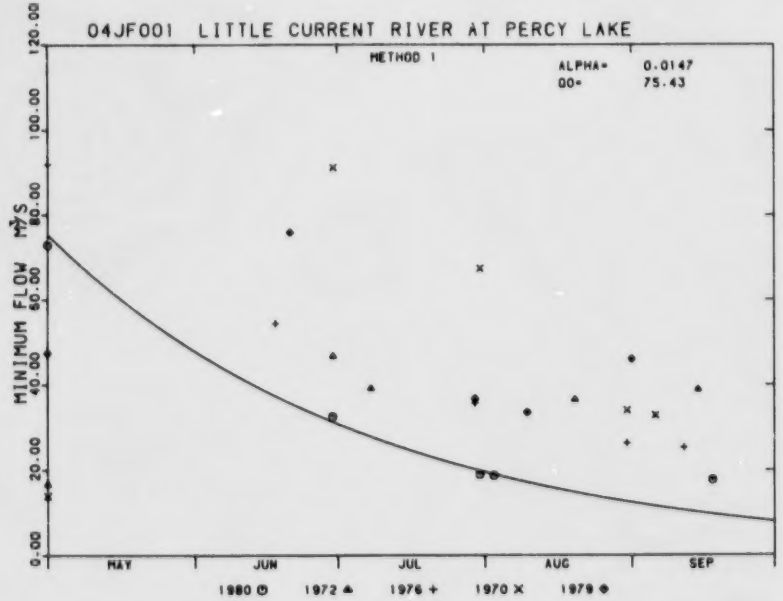
ALPHA= .0000 QO= .01

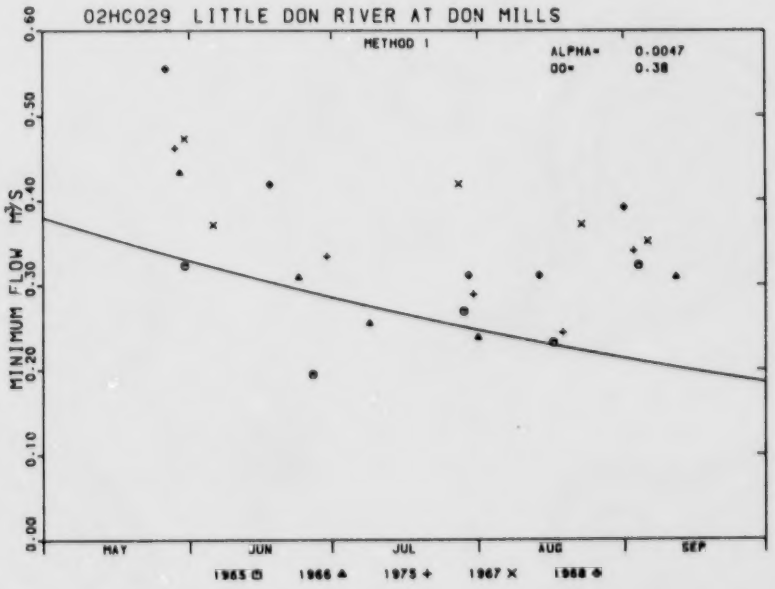
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.098	.067	.058	.098	.044


04JF001 LITTLE CURRENT RIVER AT PERCY LAKE
METHOD 2
ALPHA= 0.0147
QO= 75.43
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02HC029 LITTLE DON RIVER AT DON MILLS
METHOD 2
ALPHA= 0.0047
QO= 0.38
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


04JF001 LITTLE CURRENT RIVER AT PERCY LAKE
METHOD 1
ALPHA= 0.0147
QO= 75.43
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1980 ⊡ 1972 ▲ 1976 + 1970 X 1979 ◆


02HC029 LITTLE DON RIVER AT DON MILLS
METHOD 1
ALPHA= 0.0047
QO= 0.38
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1965 ⊡ 1966 ▲ 1975 + 1967 X 1968 ◆

04JF001 LITTLE CURRENT RIVER AT PERCY LAKE

DRAINAGE AREA 5360 SQ KM NATURAL FLOW

PERIOD OF RECORD 1968-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	1	73.00	MAY	1978	1	13.30
1980	JUN	30	32.50	MAY	1970	1	14.00
1980	JUL	31	18.90	MAY	1972	1	16.70
1980	AUG	3	18.70	MAY	1974	1	17.10
1980	SEP	18	17.70	MAY	1975	1	20.40
1972	MAY	1	16.70	JUN	1980	30	32.50
1972	JUN	30	46.70	JUN	1972	30	46.70
1972	JUL	8	39.10	JUN	1977	16	51.00
1972	AUG	20	36.50	JUN	1976	18	54.40
1972	SEP	15	38.80	JUN	1973	27	62.30
1976	MAY	1	92.00	JUL	1980	31	18.90
1976	JUN	18	54.40	JUL	1976	30	35.70
1976	JUL	30	35.70	JUL	1979	30	36.70
1976	AUG	31	26.30	JUL	1972	8	39.10
1976	SEP	12	25.30	JUL	1974	29	67.10
1970	MAY	1	14.00	AUG	1980	3	18.70
1970	JUN	30	91.20	AUG	1976	31	26.30
1970	JUL	31	67.40	AUG	1977	24	32.80
1970	AUG	31	34.00	AUG	1979	10	33.50
1970	SEP	6	32.80	AUG	1970	31	34.00
1979	MAY	1	47.50	SEP	1980	18	17.70
1979	JUN	21	75.90	SEP	1976	12	25.30
1979	JUL	30	36.70	SEP	1975	19	31.10
1979	AUG	10	33.50	SEP	1970	6	32.80
1979	SEP	1	46.00	SEP	1972	15	38.80

ALPHA= .0147 QO= 75.43

02HC029 LITTLE DON RIVER AT DON MILLS

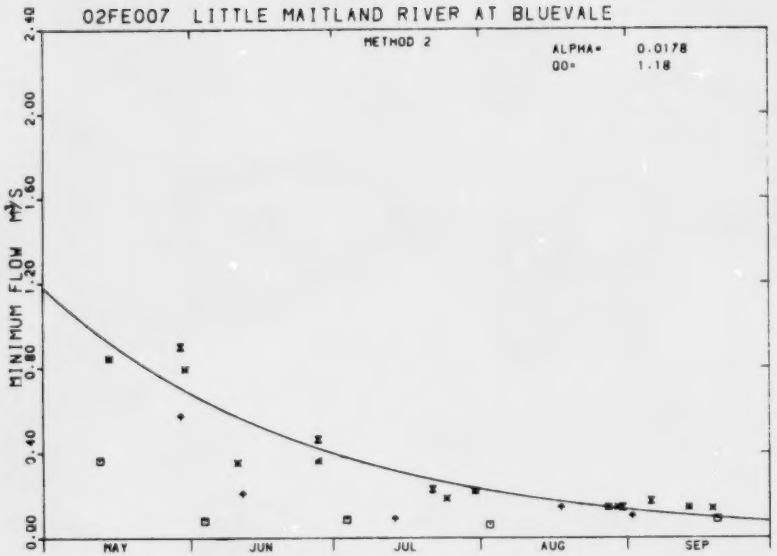
DRAINAGE AREA 130 SQ KM NATURAL FLOW

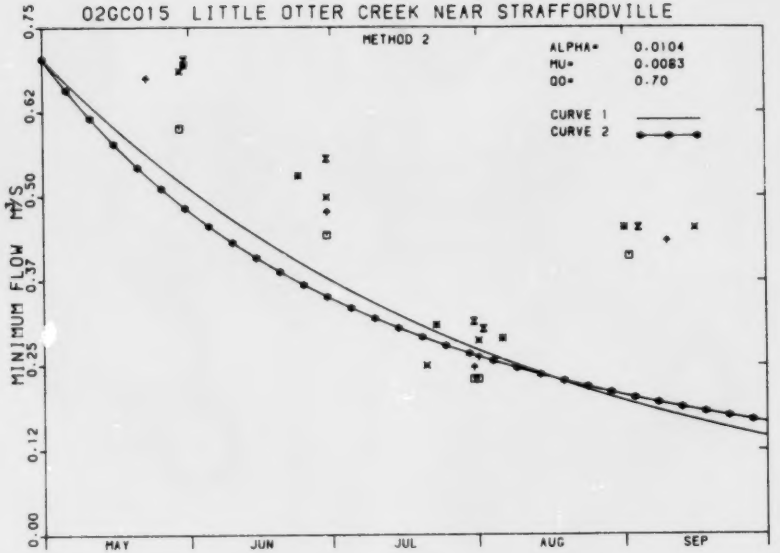
PERIOD OF RECORD 1964-80

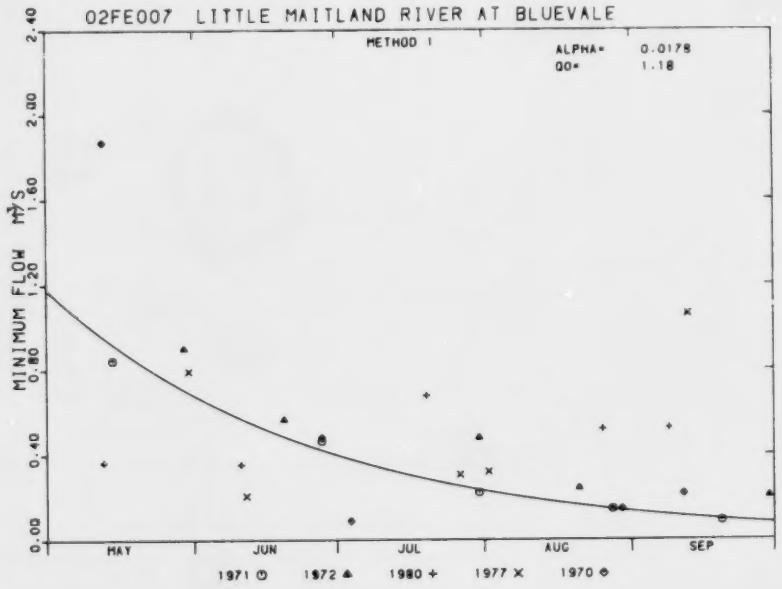
DISCHARGES IN CUBIC METRES PER SECOND

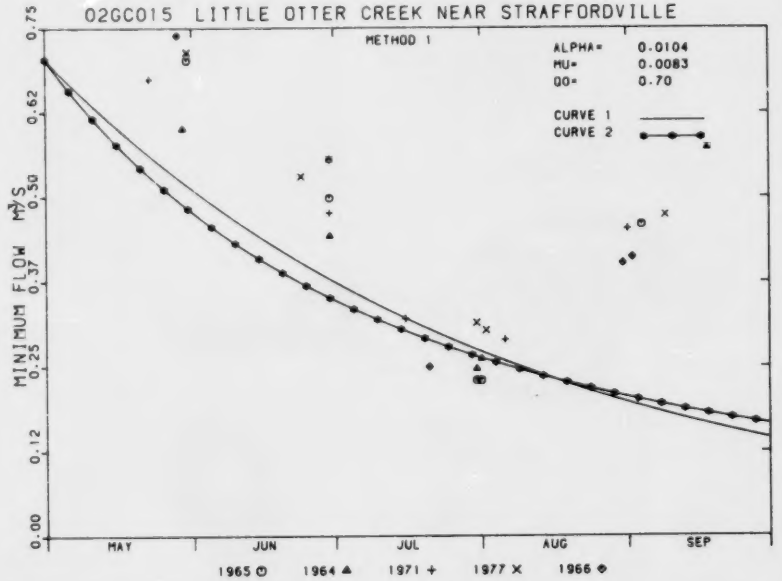
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	.323	MAY	1965	31	.323
1965	JUN	27	.195	MAY	1966	30	.433
1965	JUL	29	.269	MAY	1972	29	.447
1965	AUG	17	.232	MAY	1975	29	.462
1965	SEP	4	.323	MAY	1967	31	.473
1966	MAY	30	.433	JUN	1965	27	.195
1966	JUN	24	.309	JUN	1966	24	.309
1966	JUL	9	.255	JUN	1975	30	.334
1966	AUG	1	.238	JUN	1967	6	.371
1966	SEP	12	.309	JUN	1971	18	.374
1975	MAY	29	.462	JUL	1966	9	.255
1975	JUN	30	.334	JUL	1965	29	.269
1975	JUL	31	.289	JUL	1975	31	.289
1975	AUG	19	.244	JUL	1968	30	.311
1975	SEP	3	.340	JUL	1969	23	.343
1967	MAY	31	.473	AUG	1965	17	.232
1967	JUN	6	.371	AUG	1966	1	.238
1967	JUL	28	.419	AUG	1975	19	.244
1967	AUG	23	.371	AUG	1974	22	.297
1967	SEP	6	.351	AUG	1968	14	.311
1968	MAY	27	.555	SEP	1966	12	.309
1968	JUN	18	.419	SEP	1965	4	.323
1968	JUL	30	.311	SEP	1975	3	.340
1968	AUG	14	.311	SEP	1969	3	.345
1968	SEP	1	.391	SEP	1967	6	.351

ALPHA= .0047 QO= .38


02FE007 LITTLE MAITLAND RIVER AT BLUEVALE
METHOD 2
ALPHA= 0.0178
QO= 1.18
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02GC015 LITTLE OTTER CREEK NEAR STRAFFORDVILLE
METHOD 2
ALPHA= 0.0104
MU= 0.0083
QO= 0.70
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP


02FE007 LITTLE MAITLAND RIVER AT BLUEVALE
METHOD 1
ALPHA= 0.0178
QO= 1.18
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971
1972
1980
1977
1970


02GC015 LITTLE OTTER CREEK NEAR STRAFFORDVILLE
METHOD 1
ALPHA= 0.0104
MU= 0.0083
QO= 0.70
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.12
0.25
0.37
0.50
0.62
0.75
MAY
JUN
JUL
AUG
SEP
1965
1964
1971
1977
1966

02FE007 LITTLE MAITLAND RIVER AT BLUEVALE

DRAINAGE AREA 326 SQ KM REGULATED

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	15	.844	MAY	1980	13	.365
1971	JUN	28	.464	MAY	1975	30	.572
1971	JUL	31	.221	MAY	1977	31	.793
1971	AUG	28	.144	MAY	1971	15	.844
1971	SEP	20	.088	MAY	1972	30	.900
1972	MAY	30	.900	JUN	1976	4	.082
1972	JUN	20	.566	JUN	1977	12	.207
1972	JUL	31	.479	JUN	1980	11	.355
1972	AUG	21	.241	JUN	1975	28	.365
1972	SEP	30	.204	JUN	1971	28	.464
1980	MAY	13	.365	JUL	1970	4	.088
1980	JUN	11	.355	JUL	1968	14	.091
1980	JUL	20	.678	JUL	1973	25	.187
1980	AUG	26	.519	JUL	1971	31	.221
1980	SEP	9	.526	JUL	1979	22	.230
1977	MAY	31	.793	AUG	1968	3	.062
1977	JUN	12	.207	AUG	1973	18	.142
1977	JUL	27	.306	AUG	1970	30	.144
1977	AUG	2	.320	AUG	1971	28	.144
1977	SEP	13	1.060	AUG	1974	31	.144
1970	MAY	13	1.870	SEP	1971	20	.088
1970	JUN	28	.491	SEP	1974	2	.102
1970	JUL	4	.088	SEP	1973	19	.139
1970	AUG	30	.144	SEP	1979	14	.143
1970	SEP	12	.215	SEP	1969	6	.173

ALPHA= .0178 QO= 1.18

02GC015 LITTLE OTTER CREEK NEAR STRAFFORDVILLE

DRAINAGE AREA 104 SQ KM REGULATED

PERIOD OF RECORD 1963-80

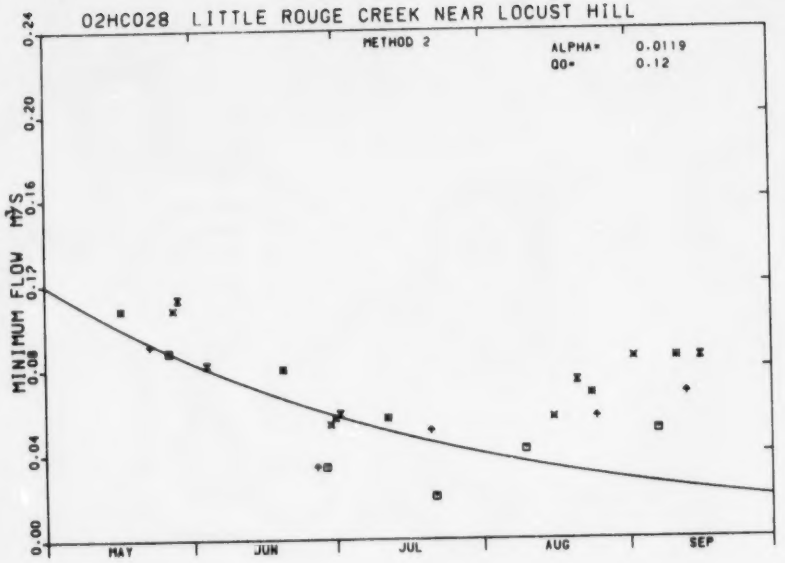
DISCHARGES IN CUBIC METRES PER SECOND

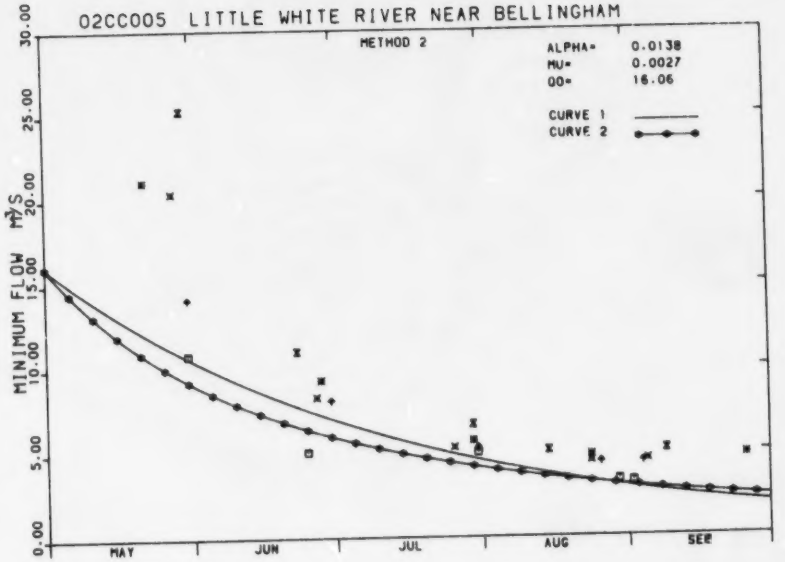
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	.702	MAY	1964	30	.600
1965	JUN	30	.498	MAY	1971	23	.674
1965	JUL	31	.229	MAY	1975	30	.685
1965	AUG	1	.229	MAY	1970	31	.694
1965	SEP	4	.459	MAY	1965	31	.702
1964	MAY	30	.600	JUN	1964	30	.442
1964	JUN	30	.442	JUN	1971	30	.476
1964	JUL	31	.246	JUN	1965	30	.498
1964	AUG	1	.261	JUN	1977	24	.530
1964	SEP	18	.572	JUN	1966	30	.555
1971	MAY	23	.674	JUL	1965	31	.229
1971	JUN	30	.476	JUL	1964	31	.246
1971	JUL	16	.320	JUL	1966	21	.249
1971	AUG	6	.289	JUL	1979	23	.309
1971	SEP	1	.453	JUL	1977	31	.314
1977	MAY	31	.714	AUG	1965	1	.229
1977	JUN	24	.530	AUG	1964	1	.261
1977	JUL	31	.314	AUG	1975	1	.286
1977	AUG	2	.303	AUG	1971	6	.289
1977	SEP	9	.473	AUG	1977	2	.303
1966	MAY	29	.739	SEP	1966	2	.411
1966	JUN	30	.555	SEP	1973	10	.433
1966	JUL	21	.249	SEP	1967	16	.453
1966	AUG	31	.402	SEP	1971	1	.453
1966	SEP	2	.411	SEP	1972	4	.453

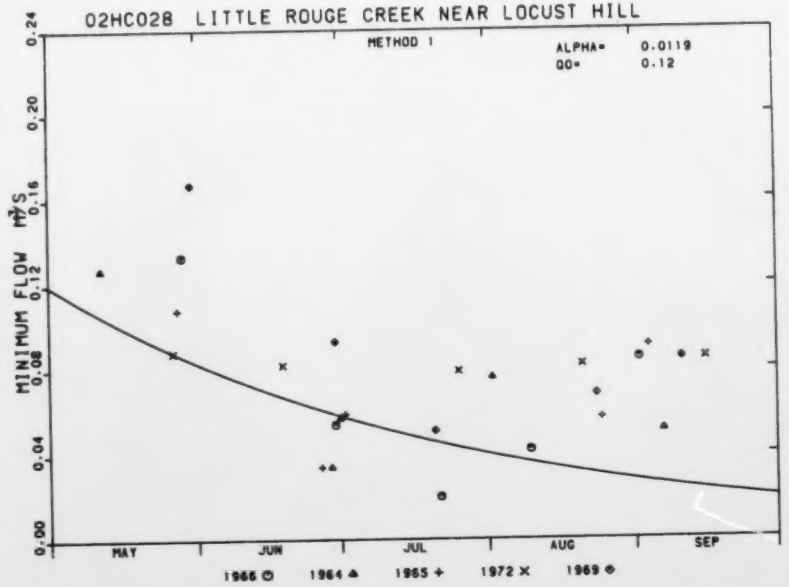
ALPHA= .0104 MU= .0083 QO= .70

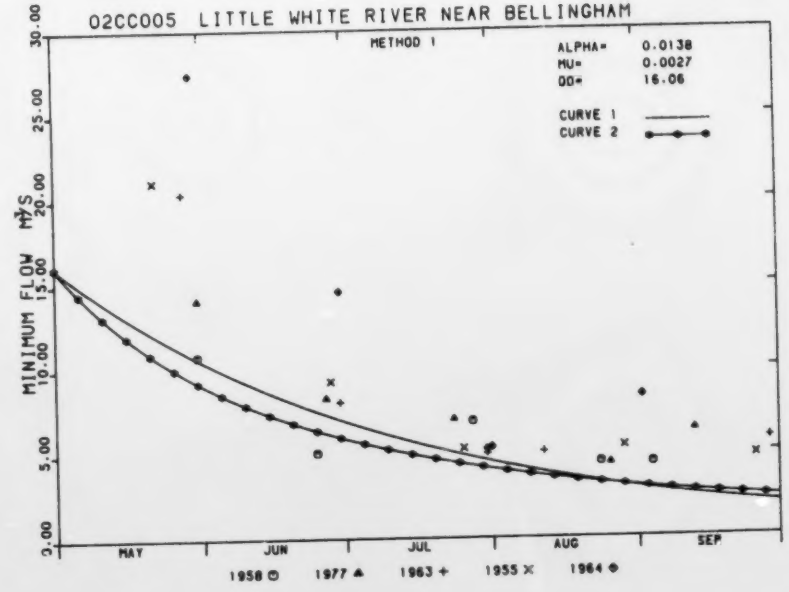
TOTAL DISCHARGE IN CUBIC DECAMEYRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1612.0	1137.2	857.0	621.7	438.5	4666.4	4.49
CURVE 2	1551.0	1054.5	808.1	620.5	477.2	4511.4	4.34


02HC028 LITTLE ROUGE CREEK NEAR LOCUST HILL
METHOD 2
ALPHA= 0.0119
QO= 0.12
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02CC005 LITTLE WHITE RIVER NEAR BELLINGHAM
METHOD 2
ALPHA= 0.0138
MU= 0.0027
QO= 16.06
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP


02HC028 LITTLE ROUGE CREEK NEAR LOCUST HILL
METHOD 1
ALPHA= 0.0119
QO= 0.12
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1964 ▲ 1965 + 1972 × 1969 ◆


02CC005 LITTLE WHITE RIVER NEAR BELLINGHAM
METHOD 1
ALPHA= 0.0138
MU= 0.0027
QO= 16.06
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP
1958 ⊙ 1977 ▲ 1963 + 1955 × 1964 ◆

02HC028 LITTLE ROUGE CREEK NEAR LOCUST HILL

DRAINAGE AREA 77.7 SQ KM NATURAL FLOW

PERIOD OF RECORD 1963-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	29	.133	MAY	1972	27	.088
1966	JUN	30	.054	MAY	1971	23	.091
1966	JUL	22	.020	MAY	1965	28	.108
1966	AUG	10	.042	MAY	1977	17	.108
1966	SEP	2	.085	MAY	1967	29	.113
1964	MAY	12	.127	JUN	1964	29	.034
1964	JUN	29	.034	JUN	1965	27	.034
1964	JUL	1	.057	JUN	1966	30	.054
1964	AUG	2	.076	JUN	1979	20	.080
1964	SEP	7	.051	JUN	1967	4	.082
1965	MAY	28	.108	JUL	1966	22	.020
1965	JUN	27	.034	JUL	1969	21	.051
1965	JUL	2	.059	JUL	1964	1	.057
1965	AUG	25	.057	JUL	1978	12	.057
1965	SEP	4	.091	JUL	1965	2	.059
1972	MAY	27	.088	AUG	1966	10	.042
1972	JUN	19	.082	AUG	1965	25	.057
1972	JUL	26	.079	AUG	1975	16	.057
1972	AUG	21	.082	AUG	1969	24	.068
1972	SEP	16	.085	AUG	1971	21	.074
1969	MAY	31	.167	SEP	1964	7	.051
1969	JUN	30	.093	SEP	1973	13	.068
1969	JUL	21	.051	SEP	1966	2	.085
1969	AUG	24	.068	SEP	1969	11	.085
1969	SEP	11	.085	SEP	1972	16	.085

ALPHA= .0119 QO= .12

02CC005 LITTLE WHITE RIVER NEAR BELLINGHAM

DRAINAGE AREA 1960 SQ KM REGULATED

PERIOD OF RECORD 1942-80

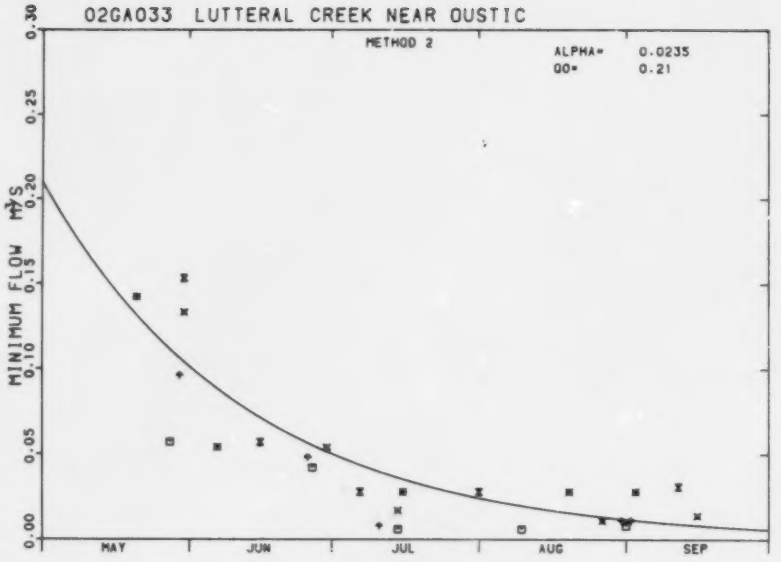
DISCHARGES IN CUBIC METRES PER SECOND

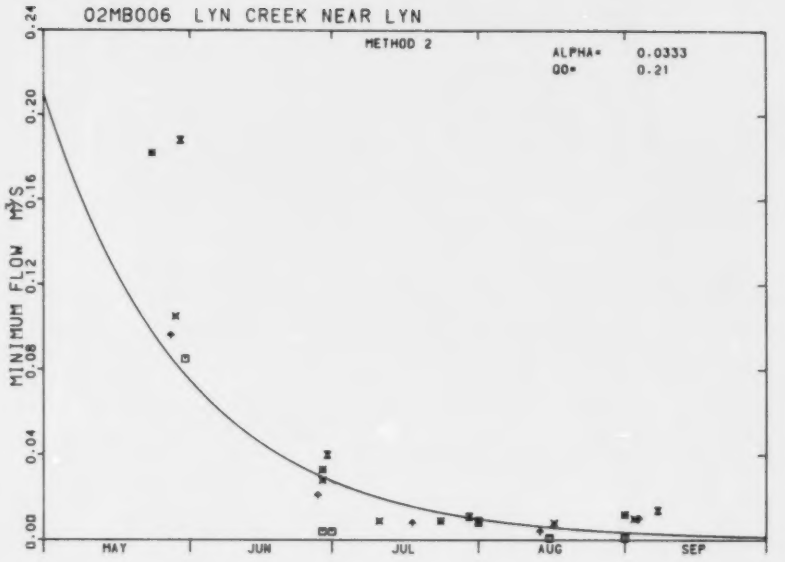
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	31	10.80	MAY	1958	31	10.80
1958	JUN	25	5.07	MAY	1977	31	14.10
1958	JUL	28	6.91	MAY	1963	28	20.40
1958	AUG	24	4.45	MAY	1955	22	21.10
1958	SEP	4	4.39	MAY	1980	30	25.30
1977	MAY	31	14.10	JUN	1958	25	5.07
1977	JUN	27	8.30	JUN	1963	30	8.07
1977	JUL	24	7.02	JUN	1977	27	8.30
1977	AUG	26	4.36	JUN	1955	28	9.29
1977	SEP	13	6.31	JUN	1959	23	11.00
1963	MAY	28	20.40	JUL	1963	31	4.98
1963	JUN	30	8.07	JUL	1964	31	5.24
1963	JUL	31	4.98	JUL	1955	26	5.30
1963	AUG	12	5.07	JUL	1959	30	5.69
1963	SEP	29	5.78	JUL	1962	30	6.63
1955	MAY	22	21.10	AUG	1976	30	3.34
1955	JUN	28	9.29	AUG	1977	26	4.36
1955	JUL	26	5.30	AUG	1958	24	4.45
1955	AUG	29	5.38	AUG	1962	24	4.81
1955	SEP	26	4.76	AUG	1959	15	5.07
1964	MAY	30	27.40	SEP	1976	2	3.23
1964	JUN	30	14.60	SEP	1958	4	4.39
1964	JUL	31	5.24	SEP	1975	5	4.53
1964	AUG	1	5.35	SEP	1955	26	4.76
1964	SEP	2	8.35	SEP	1974	9	5.10

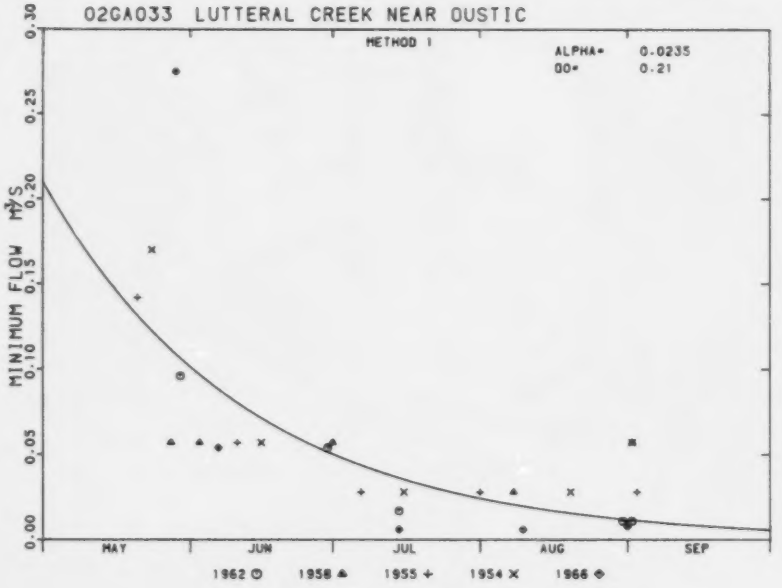
ALPHA= .0138 MU= .0027 QO= 16.06

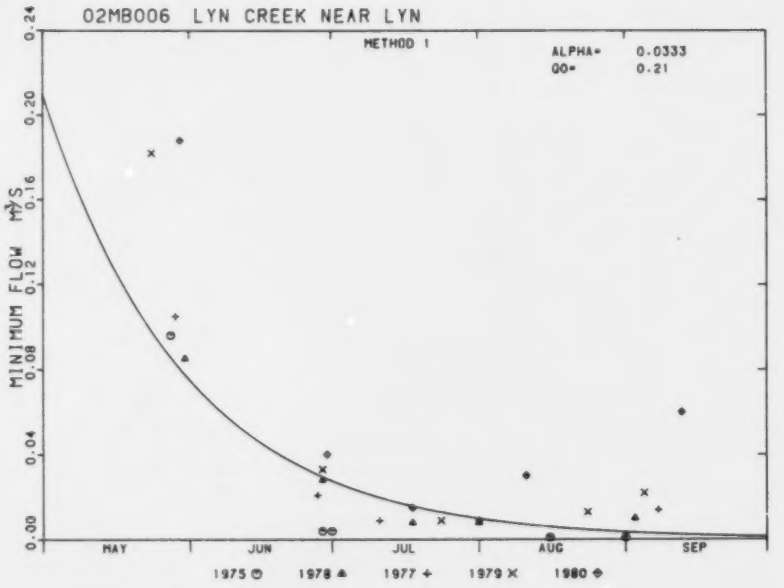
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	34999.9	22219.9	15077.1	9827.6	6239.1	88363.7	4.51
CURVE 2	32323.9	18943.7	13143.7	9382.5	6834.4	80628.3	4.11


02GA033 LUTTERAL CREEK NEAR OUSTIC
METHOD 2
ALPHA= 0.0235
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02MB006 LYN CREEK NEAR LYN
METHOD 2
ALPHA= 0.0333
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02GA033 LUTTERAL CREEK NEAR OUSTIC
METHOD 1
ALPHA= 0.0235
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1958 ▲ 1955 + 1954 × 1966 ◆


02MB006 LYN CREEK NEAR LYN
METHOD 1
ALPHA= 0.0333
QO= 0.21
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1978 ▲ 1977 + 1979 × 1980 ◆

02GA033 LUTTERAL CREEK NEAR OUSTIC

DRAINAGE AREA 64.8 SQ KM REGULATED

PERIOD OF RECORD 1953-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	.096	MAY	1958	28	.057
1962	JUN	30	.054	MAY	1962	30	.096
1962	JUL	15	.017	MAY	1977	31	.133
1962	AUG	31	.011	MAY	1955	21	.142
1962	SEP	2	.011	MAY	1967	31	.153
1958	MAY	28	.057	JUN	1963	27	.042
1958	JUN	3	.057	JUN	1959	26	.048
1958	JUL	1	.057	JUN	1962	30	.054
1958	AUG	8	.028	JUN	1966	7	.054
1958	SEP	2	.057	JUN	1954	16	.057
1955	MAY	21	.142	JUL	1966	15	.006
1955	JUN	11	.057	JUL	1963	11	.008
1955	JUL	7	.028	JUL	1962	15	.017
1955	AUG	1	.028	JUL	1954	16	.028
1955	SEP	3	.028	JUL	1955	7	.028
1954	MAY	24	.170	AUG	1966	10	.006
1954	JUN	16	.057	AUG	1962	31	.011
1954	JUL	16	.028	AUG	1963	27	.011
1954	AUG	20	.028	AUG	1954	20	.028
1954	SEP	2	.057	AUG	1955	1	.028
1966	MAY	29	.275	SEP	1966	1	.008
1966	JUN	7	.054	SEP	1962	2	.011
1966	JUL	15	.006	SEP	1963	16	.014
1966	AUG	10	.006	SEP	1955	3	.028
1966	SEP	1	.008	SEP	1979	12	.031

ALPHA= .0235 QO= .21

02HB006 LYN CREEK NEAR LYN

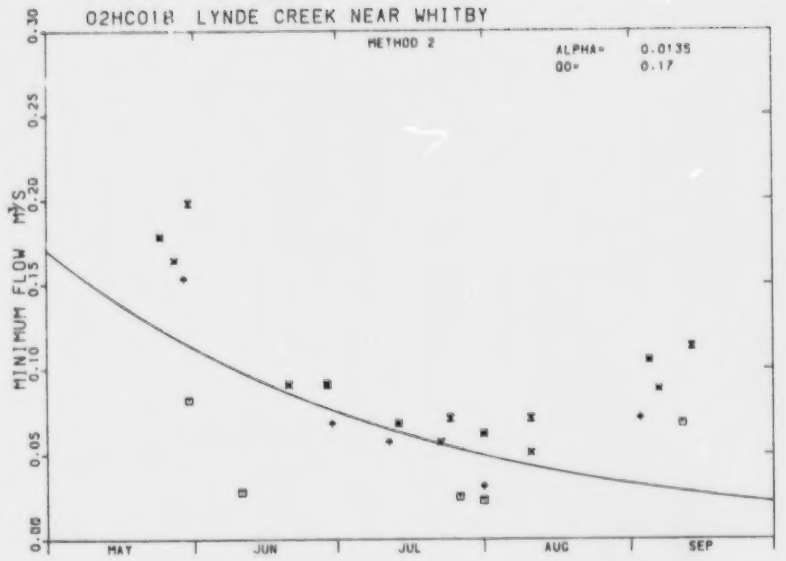
DRAINAGE AREA UNKNOWN REGULATED

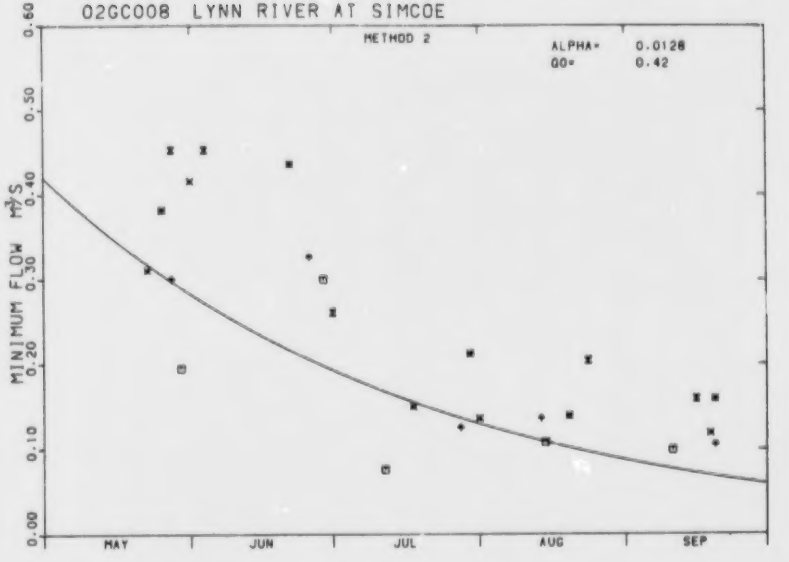
PERIOD OF RECORD 1976-80

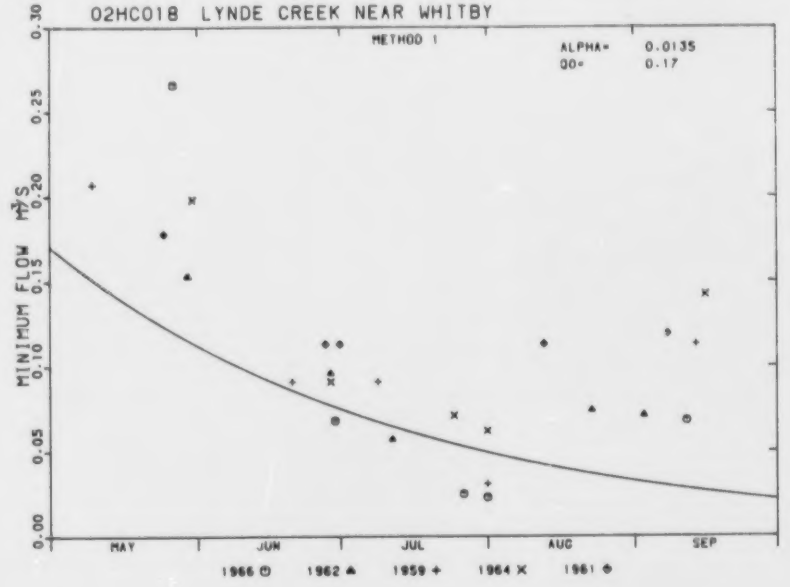
DISCHARGES IN CUBIC METRES PER SECOND

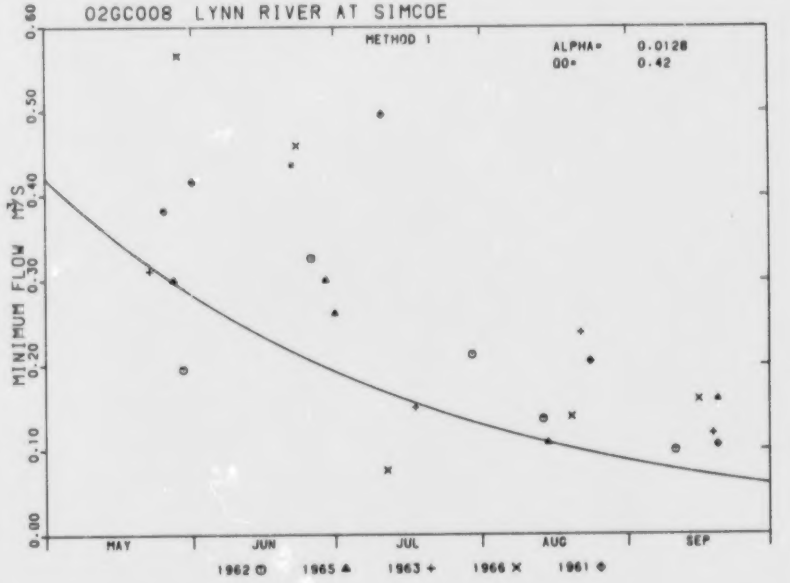
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	28	.096	MAY	1978	31	.085
1975	JUN	29	.004	MAY	1975	28	.096
1975	JUL	1	.004	MAY	1977	29	.105
1975	AUG	16	.001	MAY	1979	24	.182
1975	SEP	1	.001	MAY	1980	30	.188
1976	MAY	31	.085	JUN	1975	29	.004
1978	JUN	29	.028	JUN	1977	28	.021
1978	JUL	18	.008	JUN	1978	29	.028
1978	AUG	1	.008	JUN	1979	29	.033
1978	SEP	3	.010	JUN	1980	30	.040
1977	MAY	29	.105	JUL	1975	1	.004
1977	JUN	28	.021	JUL	1978	18	.008
1977	JUL	11	.009	JUL	1977	11	.009
1977	AUG	1	.009	JUL	1979	24	.009
1977	SEP	8	.014	JUL	1973	30	.011
1979	MAY	24	.182	AUG	1975	16	.001
1979	JUN	29	.033	AUG	1971	14	.004
1979	JUL	24	.009	AUG	1973	17	.008
1979	AUG	24	.013	AUG	1978	1	.008
1979	SEP	5	.022	AUG	1977	1	.009
1980	MAY	30	.188	SEP	1975	1	.001
1980	JUN	30	.040	SEP	1973	4	.010
1980	JUL	18	.015	SEP	1978	3	.010
1980	AUG	11	.030	SEP	1974	1	.012
1980	SEP	13	.060	SEP	1977	8	.014

ALPHA= .0333 QO= .21


02HC018 LYNDE CREEK NEAR WHITBY
METHOD 2
ALPHA= 0.0135
Q0= 0.17
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02GC008 LYNN RIVER AT SIMCOE
METHOD 2
ALPHA= 0.0128
Q0= 0.42
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02HC018 LYNDE CREEK NEAR WHITBY
METHOD 1
ALPHA= 0.0135
Q0= 0.17
MINIMUM FLOW M³/S
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1962 ▲ 1959 + 1964 × 1961 ◆


02GC008 LYNN RIVER AT SIMCOE
METHOD 1
ALPHA= 0.0128
Q0= 0.42
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1965 ▲ 1963 + 1966 × 1961 ◆

02HC018 LYNDE CREEK NEAR WHITBY

DRAINAGE AREA 106 SQ KM NATURAL FLOW

PERIOD OF RECORD 1959-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	27	.266	MAY	1977	31	.082
1966	JUN	30	.068	MAY	1962	30	.153
1966	JUL	27	.025	MAY	1965	28	.164
1966	AUG	1	.023	MAY	1961	25	.178
1966	SEP	12	.068	MAY	1964	31	.198
1962	MAY	30	.153	JUN	1977	11	.028
1962	JUN	29	.096	JUN	1966	30	.068
1962	JUL	12	.057	JUN	1959	21	.091
1962	AUG	23	.074	JUN	1963	29	.091
1962	SEP	3	.071	JUN	1964	29	.091
1959	MAY	10	.207	JUL	1966	27	.025
1959	JUN	21	.091	JUL	1962	12	.057
1959	JUL	9	.091	JUL	1979	23	.057
1959	AUG	1	.031	JUL	1963	14	.068
1959	SEP	14	.113	JUL	1964	25	.071
1964	MAY	31	.198	AUG	1966	1	.023
1964	JUN	29	.091	AUG	1959	1	.031
1964	JUL	25	.071	AUG	1970	11	.051
1964	AUG	1	.062	AUG	1964	1	.062
1964	SEP	16	.142	AUG	1963	11	.071
1961	MAY	25	.178	SEP	1966	12	.068
1961	JUN	28	.113	SEP	1962	3	.071
1961	JUL	1	.113	SEP	1970	7	.088
1961	AUG	13	.113	SEP	1963	9	.105
1961	SEP	8	.119	SEP	1959	14	.113

ALPHA= .0135 QB= .17

02GC008 LYNN RIVER AT SIMCOE

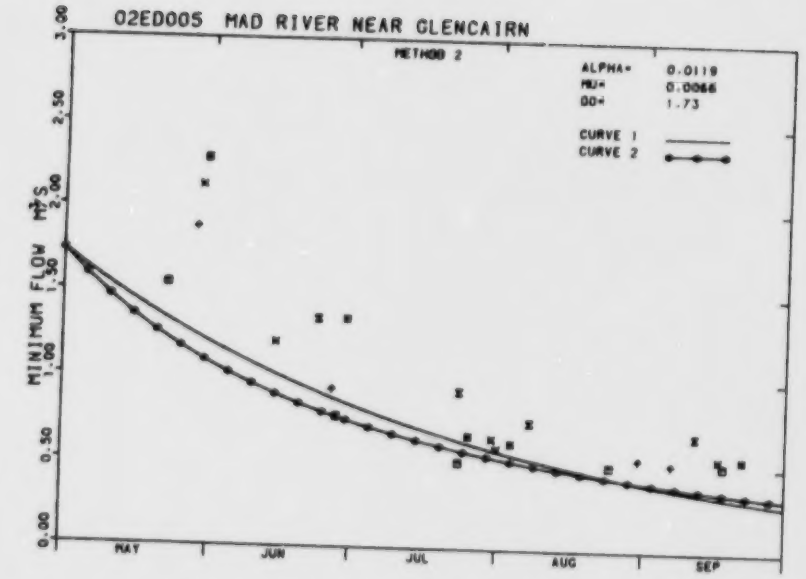
DRAINAGE AREA 134 SQ KM REGULATED

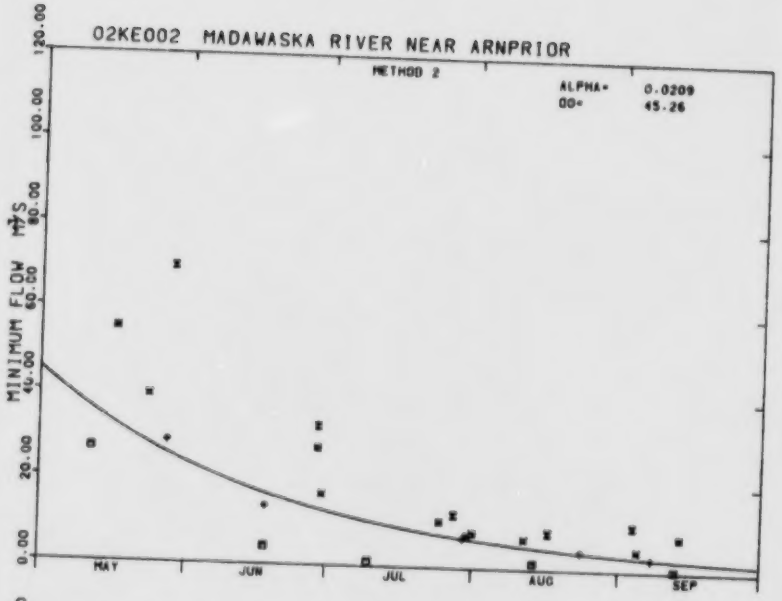
PERIOD OF RECORD 1957-80

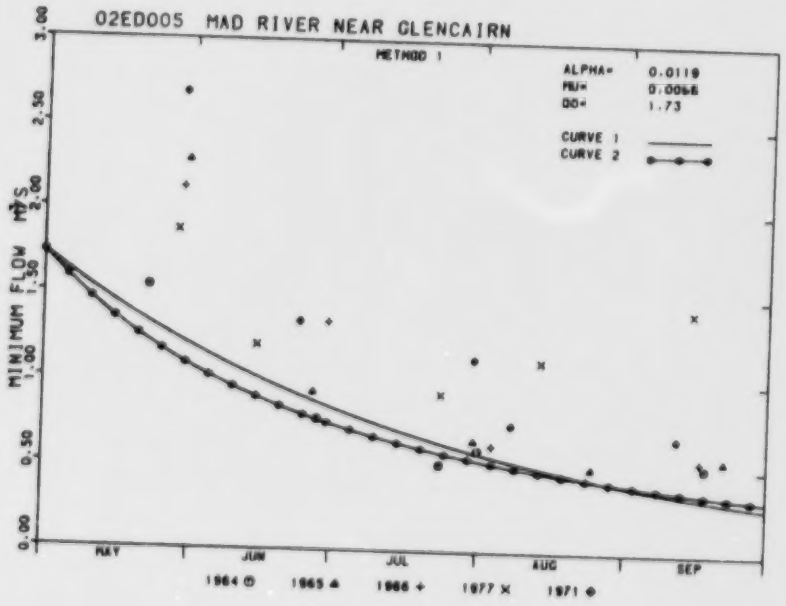
DISCHARGES IN CUBIC METRES PER SECOND

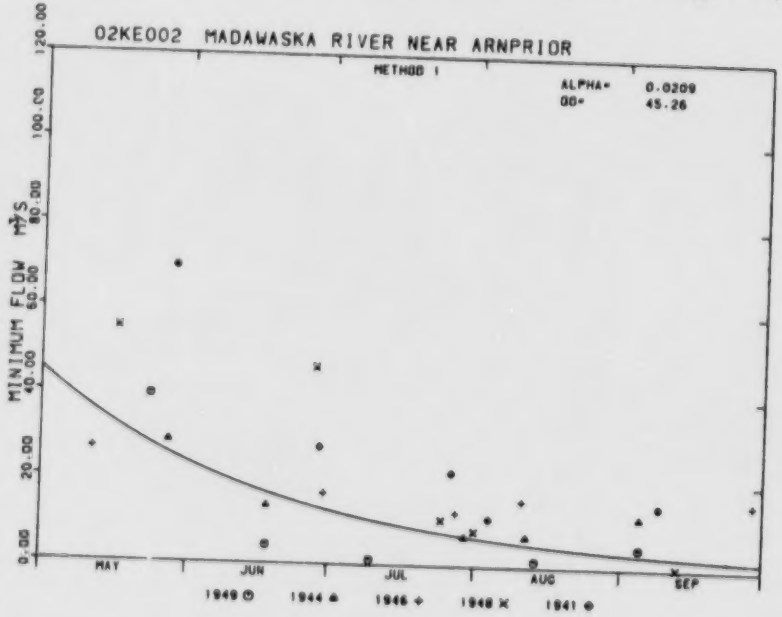
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	.195	MAY	1962	30	.195
1962	JUN	26	.326	MAY	1965	28	.300
1962	JUL	30	.212	MAY	1963	23	.311
1962	AUG	14	.136	MAY	1961	26	.382
1962	SEP	11	.099	MAY	1958	28	.453
1965	MAY	28	.300	JUN	1965	29	.300
1965	JUN	29	.300	JUN	1962	26	.326
1965	JUL	1	.261	JUN	1961	1	.416
1965	AUG	15	.108	JUN	1963	22	.436
1965	SEP	20	.159	JUN	1958	4	.453
1963	MAY	23	.311	JUL	1966	12	.076
1963	JUN	22	.436	JUL	1964	28	.125
1963	JUL	18	.150	JUL	1963	18	.150
1963	AUG	22	.238	JUL	1962	30	.212
1963	SEP	19	.119	JUL	1965	1	.261
1966	MAY	29	.566	AUG	1965	15	.108
1966	JUN	23	.459	AUG	1962	14	.136
1966	JUL	12	.076	AUG	1964	1	.136
1966	AUG	20	.139	AUG	1966	20	.139
1966	SEP	16	.159	AUG	1961	24	.204
1961	MAY	26	.382	SEP	1962	11	.099
1961	JUN	1	.416	SEP	1961	20	.105
1961	JUL	11	.496	SEP	1963	19	.119
1961	AUG	24	.204	SEP	1965	20	.159
1961	SEP	20	.105	SEP	1966	16	.159

ALPHA= .0128 QB= .42


02ED005 MAD RIVER NEAR GLENCAIRN
METHOD 2
ALPHA= 0.0119
MU= 0.0066
DD= 1.73
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP


02KE002 MADAWASKA RIVER NEAR ARNPRIOR
METHOD 2
ALPHA= 0.0209
DD= 45.26
MINIMUM FLOW M³/S
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP


02ED005 MAD RIVER NEAR GLENCAIRN
METHOD 1
ALPHA= 0.0119
MU= 0.0066
DD= 1.73
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP
1964 ⊙ 1965 ▲ 1966 + 1977 × 1971 ◆


02KE002 MADAWASKA RIVER NEAR ARNPRIOR
METHOD 1
ALPHA= 0.0209
DD= 45.26
MINIMUM FLOW M³/S
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP
1949 ⊙ 1944 ▲ 1946 + 1948 × 1941 ◆

02ED005 MAD RIVER NEAR GLENCAIRN

DRAINAGE AREA 295 SQ KM REGULATED

PERIOD OF RECORD 1963-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	23	1.54	MAY	1964	23	1.54
1964	JUN	28	.77	MAY	1977	29	1.87
1964	JUL	24	.51	MAY	1966	30	2.12
1964	AUG	1	.60	MAY	1965	31	2.28
1964	SEP	18	.51	MAY	1967	31	2.28
1965	MAY	31	2.28	JUN	1964	28	.77
1965	JUN	27	.93	JUN	1965	27	.93
1965	JUL	31	.65	JUN	1977	15	1.20
1965	AUG	25	.50	JUN	1966	30	1.34
1965	SEP	22	.55	JUN	1971	24	1.34
1966	MAY	30	2.12	JUL	1964	24	.51
1966	JUN	30	1.34	JUL	1966	30	.55
1966	JUL	30	.55	JUL	1965	31	.65
1966	AUG	4	.63	JUL	1968	26	.67
1966	SEP	17	.55	JUL	1977	24	.92
1977	MAY	29	1.87	AUG	1965	25	.50
1977	JUN	15	1.20	AUG	1969	31	.54
1977	JUL	24	.92	AUG	1964	1	.60
1977	AUG	14	1.12	AUG	1966	4	.63
1977	SEP	15	1.42	AUG	1971	8	.79
1971	MAY	30	2.68	SEP	1964	18	.51
1971	JUN	24	1.34	SEP	1969	7	.52
1971	JUL	31	1.13	SEP	1966	17	.55
1971	AUG	8	.79	SEP	1965	22	.55
1971	SEP	12	.68	SEP	1971	12	.68

ALPHA= .0119 MU= .0066 QO= 1.73

02KE002 MADAWASKA RIVER NEAR ARNPRIOR

DRAINAGE AREA 8260 SQ KM REGULATED

PERIOD OF RECORD 1921-50

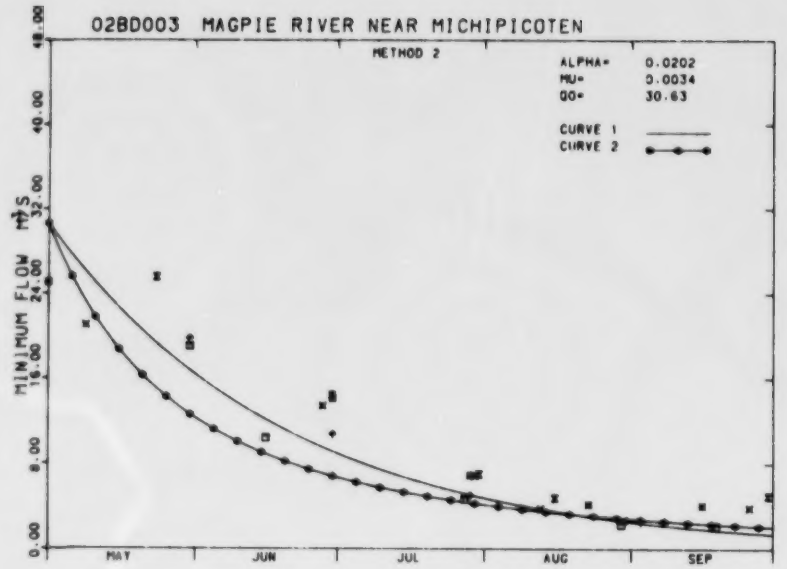
DISCHARGES IN CUBIC METRES PER SECOND

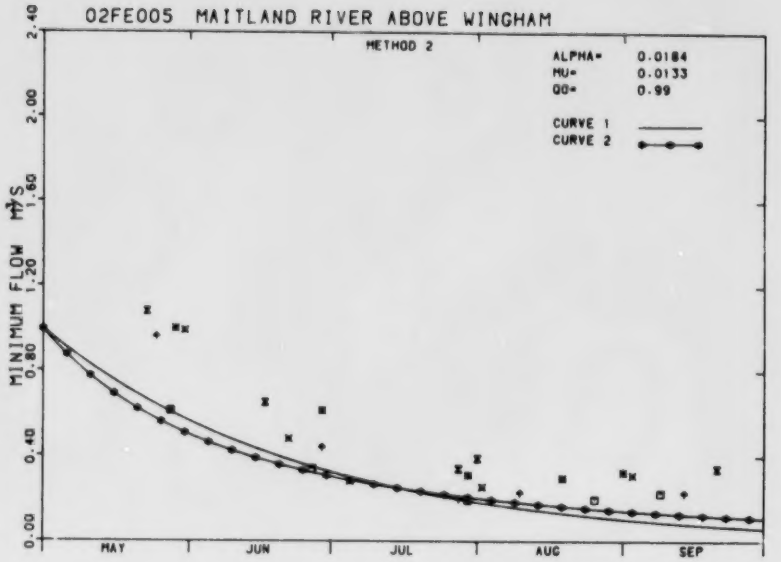
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	24	39.40	MAY	1946	12	26.80
1949	JUN	18	4.30	MAY	1944	28	28.60
1949	JUL	10	1.25	MAY	1949	24	39.40
1949	AUG	14	1.59	MAY	1948	17	59.20
1949	SEP	5	4.87	MAY	1941	29	69.70
1944	MAY	28	28.60	JUN	1949	18	4.30
1944	JUN	18	13.60	JUN	1944	18	13.60
1944	JUL	30	6.91	JUN	1946	30	16.70
1944	AUG	12	7.14	JUN	1941	29	27.50
1944	SEP	5	12.00	JUN	1943	29	32.60
1946	MAY	12	26.80	JUL	1949	10	1.25
1946	JUN	30	16.70	JUL	1944	30	6.91
1946	JUL	28	12.50	JUL	1942	31	7.59
1946	AUG	11	15.60	JUL	1948	25	10.80
1946	SEP	29	15.60	JUL	1946	28	12.50
1948	MAY	17	59.20	AUG	1949	14	1.59
1948	JUN	28	46.20	AUG	1942	24	4.25
1948	JUL	25	10.80	AUG	1944	12	7.14
1948	AUG	1	8.27	AUG	1948	1	8.27
1948	SEP	13	.45	AUG	1947	17	8.72
1941	MAY	29	69.70	SEP	1948	13	.45
1941	JUN	29	27.50	SEP	1942	8	2.86
1941	JUL	27	21.90	SEP	1949	5	4.87
1941	AUG	4	11.30	SEP	1947	14	8.84
1941	SEP	9	14.70	SEP	1943	4	10.50

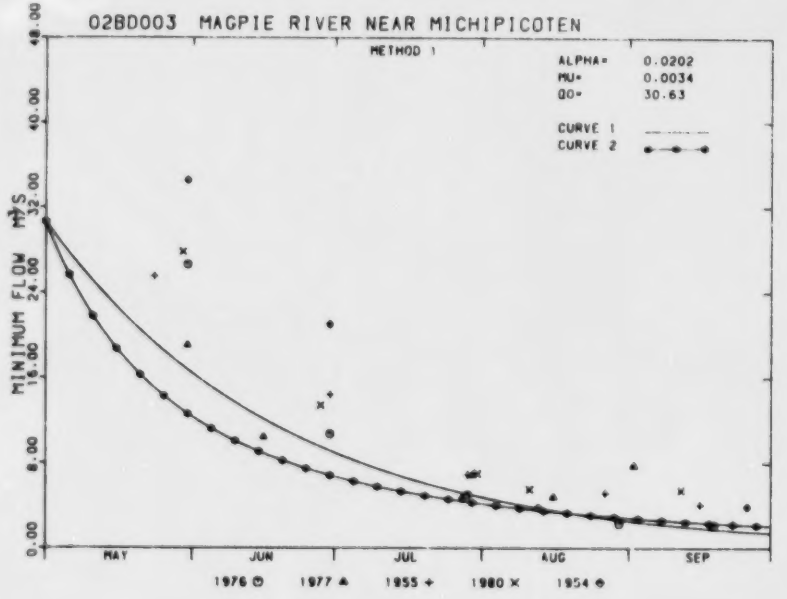
ALPHA= .0209 QO= 45.26

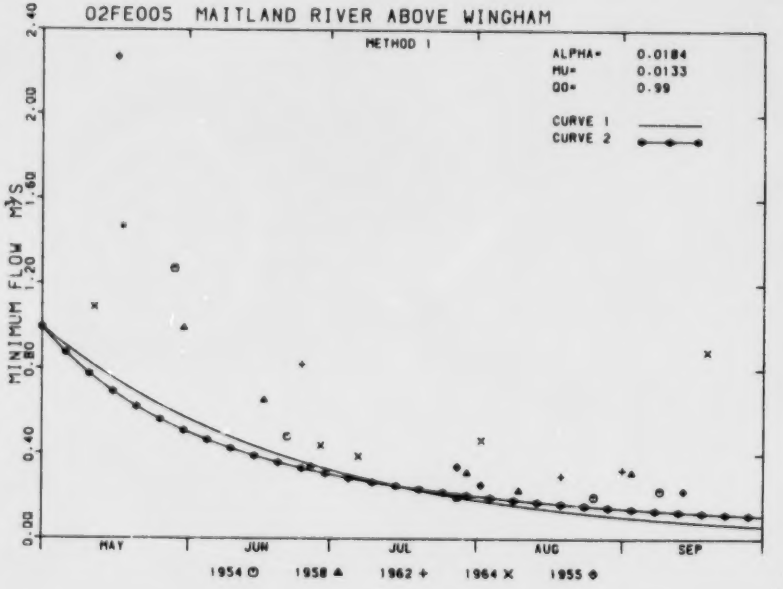
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3875.3	2604.1	1869.8	1291.0	867.5	10507.7	3.56
CURVE 2	3652.4	2309.3	1682.9	1244.5	930.2	9819.2	3.33


02BD003 MAGPIE RIVER NEAR MICHIPICOTEN
METHOD 2
ALPHA= 0.0202
MU= 0.0034
QO= 30.63
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02FE005 MAITLAND RIVER ABOVE WINGHAM
METHOD 2
ALPHA= 0.0184
MU= 0.0133
QO= 0.99
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02BD003 MAGPIE RIVER NEAR MICHIPICOTEN
METHOD 1
ALPHA= 0.0202
MU= 0.0034
QO= 30.63
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1976
1977
1955
1980
1954


02FE005 MAITLAND RIVER ABOVE WINGHAM
METHOD 1
ALPHA= 0.0184
MU= 0.0133
QO= 0.99
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1954
1958
1962
1964
1955

02BD003 MAGPIE RIVER NEAR MICHIPICOTEN

DRAINAGE AREA 1930 SQ KM NATURAL FLOW

PERIOD OF RECORD 1939-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	31	26.60	MAY	1977	31	19.00
1976	JUN	30	10.70	MAY	1968	31	19.70
1976	JUL	29	5.01	MAY	1963	9	21.00
1976	AUG	30	2.30	MAY	1953	1	25.10
1976	SEP	19	2.18	MAY	1955	26	25.50
1977	MAY	31	19.00	JUN	1977	16	10.40
1977	JUN	16	10.40	JUN	1976	30	10.70
1977	JUL	30	6.85	JUN	1980	28	13.40
1977	AUG	16	4.79	JUN	1962	30	14.10
1977	SEP	2	7.73	JUN	1955	30	14.40
1955	MAY	24	25.50	JUL	1954	28	4.67
1955	JUN	30	14.40	JUL	1976	29	5.01
1955	JUL	29	6.91	JUL	1977	30	6.85
1955	AUG	27	5.18	JUL	1955	29	6.91
1955	SEP	16	4.08	JUL	1980	31	6.99
1980	MAY	30	27.80	AUG	1976	30	2.30
1980	JUN	28	13.40	AUG	1975	31	2.72
1980	JUL	31	6.99	AUG	1954	13	3.79
1980	AUG	11	5.55	AUG	1979	23	4.20
1980	SEP	12	5.45	AUG	1977	16	4.79
1954	MAY	31	34.50	SEP	1976	19	2.18
1954	JUN	30	21.00	SEP	1975	3	2.50
1954	JUL	28	4.67	SEP	1954	26	3.88
1954	AUG	13	3.79	SEP	1955	16	4.08
1954	SEP	26	3.88	SEP	1967	30	4.98

ALPHA= .0202 MU= .0034 QO= 30.63

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	60951.1	31805.0	17757.7	9488.6	4951.2	124953.7	6.47
CURVE 2	51957.7	23506.8	14110.6	9155.4	6243.5	104973.9	5.44

02FE005 MAITLAND RIVER ABOVE WINGHAM

DRAINAGE AREA 528 SQ KM REGULATED

PERIOD OF RECORD 1953-80

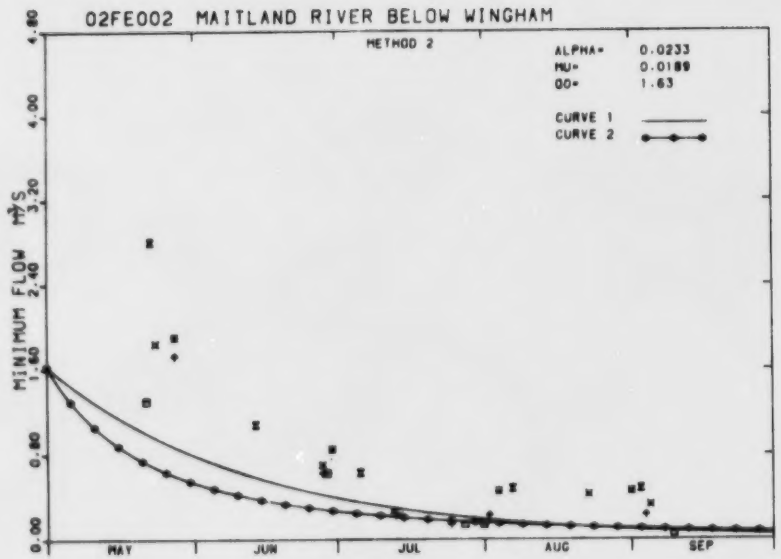
DISCHARGES IN CUBIC METRES PER SECOND

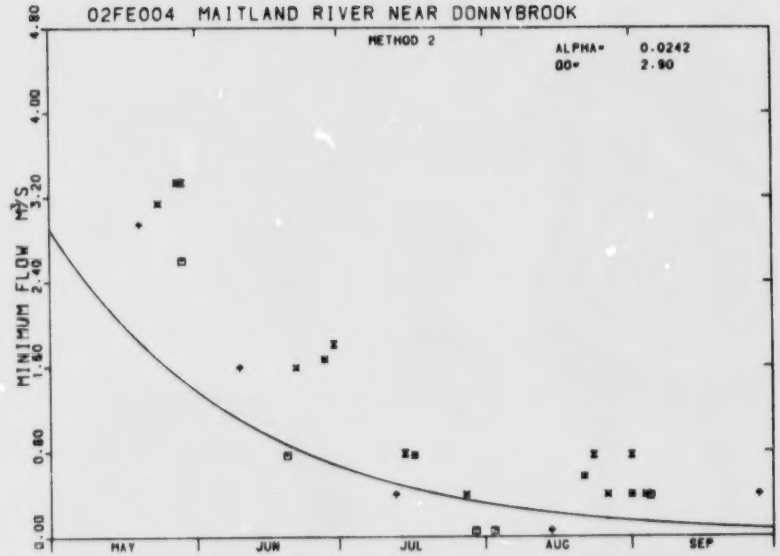
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1954	MAY	29	1.27	MAY	1977	28	.61
1954	JUN	22	.48	MAY	1973	25	.96
1954	JUL	28	.20	MAY	1958	31	.99
1954	AUG	26	.20	MAY	1971	29	1.00
1954	SEP	9	.23	MAY	1972	23	1.08
1958	MAY	31	.99	JUN	1955	27	.34
1958	JUN	17	.65	JUN	1964	29	.44
1958	JUL	30	.31	JUN	1954	22	.48
1958	AUG	10	.23	JUN	1976	29	.61
1958	SEP	3	.31	JUN	1958	17	.65
1962	MAY	18	1.47	JUL	1966	30	.19
1962	JUN	25	.82	JUL	1954	28	.20
1962	JUL	5	.28	JUL	1962	5	.28
1962	AUG	19	.30	JUL	1958	30	.31
1962	SEP	1	.33	JUL	1955	28	.34
1964	MAY	12	1.09	AUG	1954	26	.20
1964	JUN	29	.44	AUG	1958	10	.23
1964	JUL	7	.39	AUG	1955	2	.26
1964	AUG	2	.46	AUG	1962	19	.30
1964	SEP	19	.88	AUG	1966	1	.39
1955	MAY	17	2.27	SEP	1954	9	.23
1955	JUN	27	.34	SEP	1959	14	.23
1955	JUL	28	.34	SEP	1958	3	.31
1955	AUG	2	.26	SEP	1962	1	.33
1955	SEP	14	.23	SEP	1973	21	.34

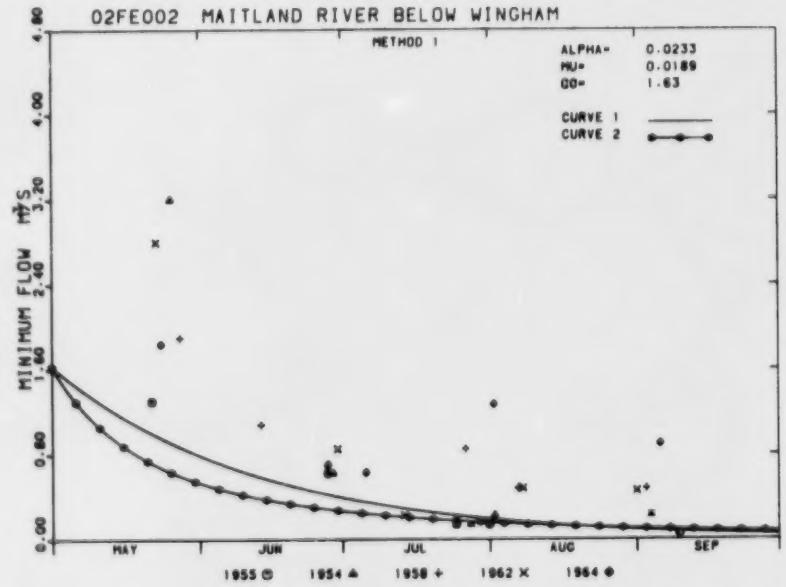
ALPHA= .0184 MU= .0133 QO= .99

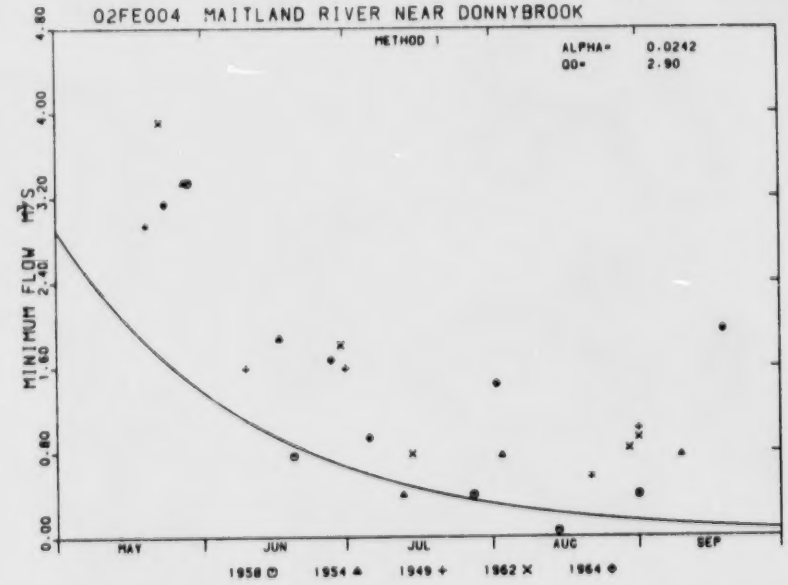
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	2030.4	1120.9	661.8	374.4	206.7	4394.2	.83
CURVE 2	1886.4	1008.4	662.1	455.0	322.7	4334.7	.82


02FE002 MAITLAND RIVER BELOW WINGHAM
METHOD 2
ALPHA= 0.0233
MU= 0.0189
QO= 1.63
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02FE004 MAITLAND RIVER NEAR DONNYBROOK
METHOD 2
ALPHA= 0.0242
QO= 2.90
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02FE002 MAITLAND RIVER BELOW WINGHAM
METHOD 1
ALPHA= 0.0233
MU= 0.0189
QO= 1.63
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1954 ▲ 1958 + 1962 X 1964 ●


02FE004 MAITLAND RIVER NEAR DONNYBROOK
METHOD 1
ALPHA= 0.0242
QO= 2.90
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1958 ⊙ 1954 ▲ 1949 + 1962 X 1964 ●

02FE002 MAITLAND RIVER BELOW WINGHAM

DRAINAGE AREA 1630 SQ KM REGULATED

PERIOD OF RECORD 1953-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	22	1.30	MAY	1955	22	1.30
1955	JUN	28	.62	MAY	1977	28	1.72
1955	JUL	25	.14	MAY	1964	24	1.84
1955	AUG	1	.14	MAY	1958	28	1.90
1955	SEP	10	.06	MAY	1962	23	2.80
1954	MAY	26	3.20	JUN	1954	29	.62
1954	JUN	29	.62	JUN	1955	28	.62
1954	JUL	28	.14	JUN	1964	28	.70
1954	AUG	2	.23	JUN	1962	30	.85
1954	SEP	4	.23	JUN	1958	14	1.08
1958	MAY	28	1.90	JUL	1954	28	.14
1958	JUN	14	1.08	JUL	1955	25	.14
1958	JUL	27	.85	JUL	1962	14	.23
1958	AUG	7	.48	JUL	1963	13	.25
1958	SEP	3	.48	JUL	1964	6	.63
1962	MAY	23	2.80	AUG	1955	1	.14
1962	JUN	30	.85	AUG	1954	2	.23
1962	JUL	14	.23	AUG	1957	23	.43
1962	AUG	8	.48	AUG	1963	4	.46
1962	SEP	1	.46	AUG	1958	7	.48
1964	MAY	24	1.84	SEP	1955	10	.06
1964	JUN	28	.70	SEP	1954	4	.23
1964	JUL	6	.63	SEP	1963	5	.33
1964	AUG	2	1.27	SEP	1962	1	.46
1964	SEP	6	.90	SEP	1958	3	.48

ALPHA= .0233 MU= .0189 QO= 1.63

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	3101.2	1472.9	749.0	363.8	172.8	5859.8	.36
CURVE 2	2493.4	977.4	548.6	341.9	227.1	4588.3	.28

02FE004 MAITLAND RIVER NEAR DONNYBROOK

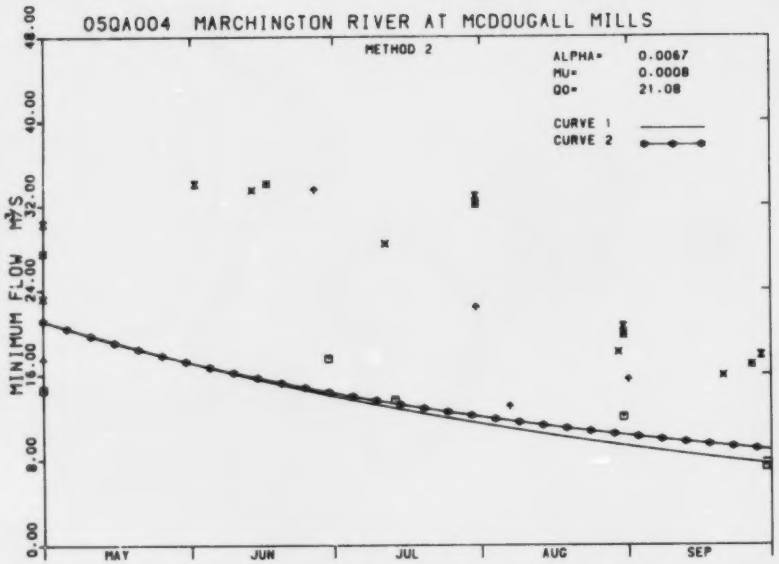
DRAINAGE AREA 1760 SQ KM REGULATED

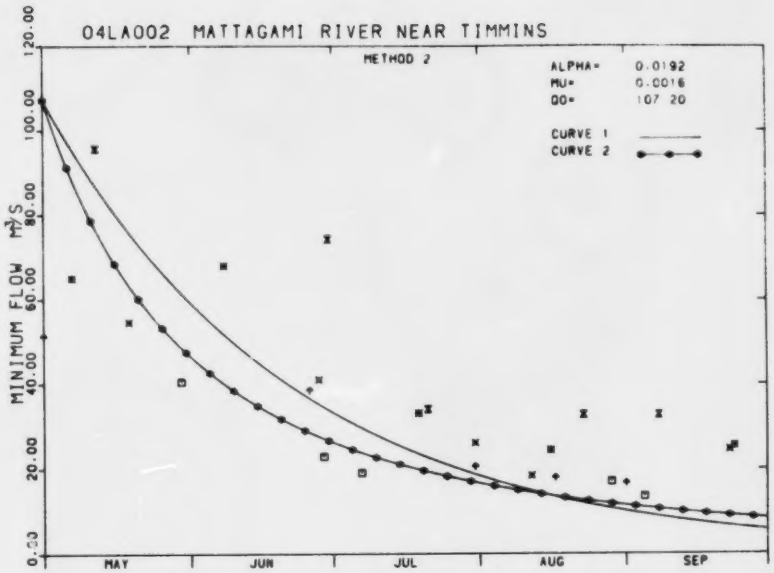
PERIOD OF RECORD 1945-80

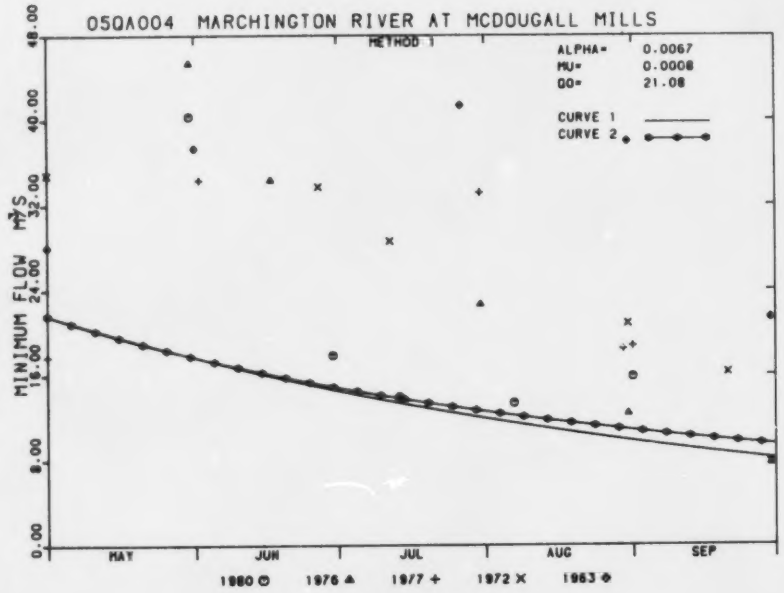
DISCHARGES IN CUBIC METRES PER SECOND

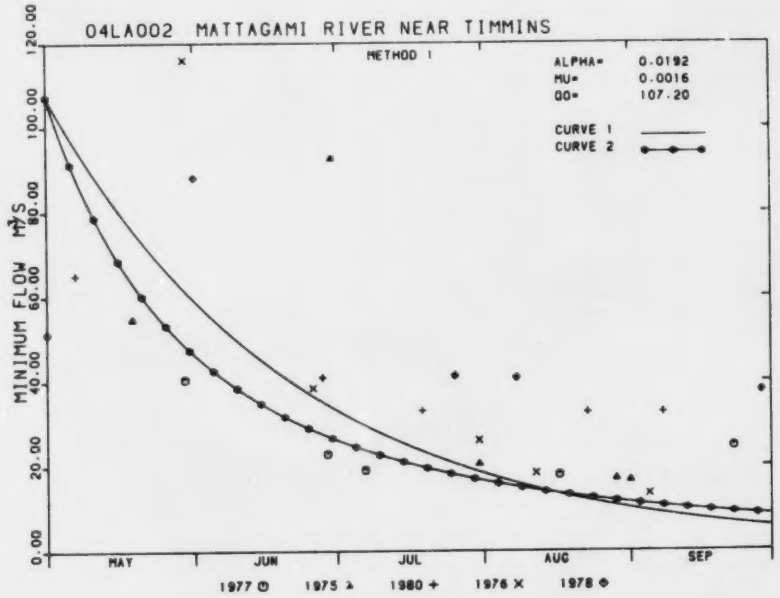
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	29	3.34	MAY	1977	29	2.60
1958	JUN	20	.77	MAY	1949	20	2.94
1958	JUL	28	.40	MAY	1964	24	3.14
1958	AUG	15	.06	MAY	1954	28	3.34
1958	SEP	1	.40	MAY	1958	29	3.34
1954	MAY	28	3.34	JUN	1958	20	.77
1954	JUN	17	1.87	JUN	1949	10	1.59
1954	JUL	13	.40	JUN	1952	22	1.59
1954	AUG	3	.77	JUN	1964	28	1.67
1954	SEP	10	.77	JUN	1962	30	1.81
1949	MAY	20	2.94	JUL	1955	30	.06
1949	JUN	10	1.59	JUL	1954	13	.40
1949	JUL	1	1.59	JUL	1958	28	.40
1949	AUG	22	.57	JUL	1959	17	.77
1949	SEP	1	1.02	JUL	1962	15	.78
1962	MAY	23	3.91	AUG	1955	3	.06
1962	JUN	30	1.81	AUG	1958	15	.06
1962	JUL	15	.78	AUG	1957	27	.40
1962	AUG	30	.83	AUG	1949	22	.37
1962	SEP	1	.93	AUG	1950	24	.77
1964	MAY	24	3.14	SEP	1960	5	.39
1964	JUN	28	1.67	SEP	1948	28	.40
1964	JUL	6	.93	SEP	1955	4	.40
1964	AUG	2	1.44	SEP	1958	1	.40
1964	SEP	19	1.95	SEP	1953	1	.77

ALPHA= .0242 QO= 2.90


05QA004 MARCHINGTON RIVER AT MCDOUGALL MILLS
METHOD 2
ALPHA= 0.0067
MU= 0.0008
QO= 21.08
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04LA002 MATTAGAMI RIVER NEAR TIMMINS
METHOD 2
ALPHA= 0.0192
MU= 0.0016
QO= 107.20
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


05QA004 MARCHINGTON RIVER AT MCDOUGALL MILLS
METHOD 1
ALPHA= 0.0067
MU= 0.0008
QO= 21.08
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1977 + 1972 × 1963 ◆


04LA002 MATTAGAMI RIVER NEAR TIMMINS
METHOD 1
ALPHA= 0.0192
MU= 0.0016
QO= 107.20
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1980 + 1976 × 1978 ◆

02GA004 MARCHINGTON RIVER AT MCDOUGALL MILLS

DRAINAGE AREA 4490 SQ KM NATURAL FLOW

PERIOD OF RECORD 1961-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	40.00	MAY	1962	1	14.60
1980	JUN	30	17.50	MAY	1977	1	17.40
1980	JUL	14	13.60	MAY	1978	1	23.20
1980	AUG	7	13.00	MAY	1963	1	27.50
1980	SEP	1	15.50	MAY	1965	1	30.30
1976	MAY	31	45.00	JUN	1980	30	17.50
1976	JUN	17	34.00	JUN	1972	27	33.40
1976	JUL	31	22.30	JUN	1973	14	33.40
1976	AUG	31	12.00	JUN	1976	17	34.00
1976	SEP	30	7.31	JUN	1977	2	34.00
1977	MAY	1	17.40	JUL	1980	14	13.60
1977	JUN	2	34.00	JUL	1976	31	22.30
1977	JUL	31	32.80	JUL	1972	12	28.30
1977	AUG	30	18.10	JUL	1975	31	32.00
1977	SEP	1	18.40	JUL	1977	31	32.80
1972	MAY	1	34.50	AUG	1976	31	12.00
1972	JUN	27	33.40	AUG	1980	7	13.00
1972	JUL	12	28.30	AUG	1977	30	18.10
1972	AUG	31	20.50	AUG	1975	31	19.70
1972	SEP	21	15.90	AUG	1972	31	20.50
1963	MAY	1	27.50	SEP	1976	30	7.31
1963	JUN	1	36.80	SEP	1980	1	15.50
1963	JUL	27	40.80	SEP	1972	21	15.90
1963	AUG	31	37.40	SEP	1975	27	16.90
1963	SEP	30	21.00	SEP	1966	29	17.80

ALPHA= .0067 MU= .0008 QO= 21.08

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	50981.4	40218.4	33865.8	27533.8	21721.0	174340.4	3.92
CURVE 2	50897.0	40542.3	35094.3	29746.2	24766.9	181046.6	4.07

04LAC02 MATTAGAMI RIVER NEAR TIMMINS

DRAINAGE AREA 5540 SQ KM REGULATED

PERIOD OF RECORD 1969-80

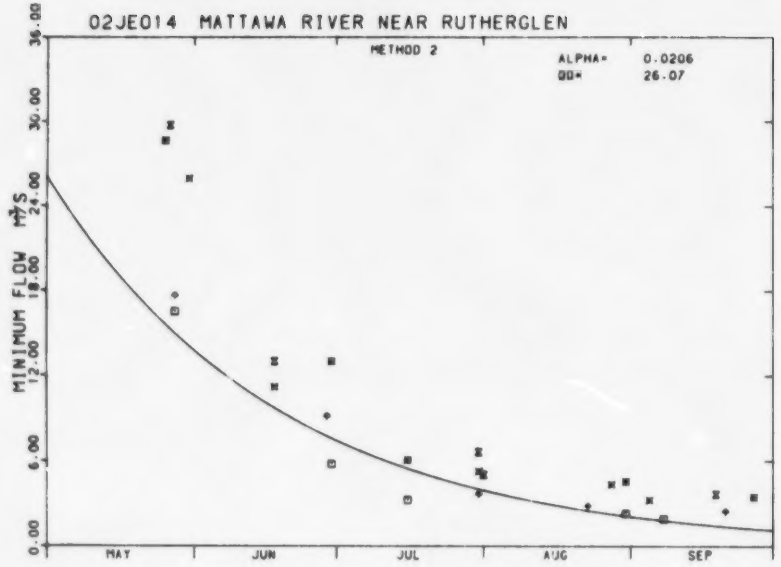
DISCHARGES IN CUBIC METRES PER SECOND

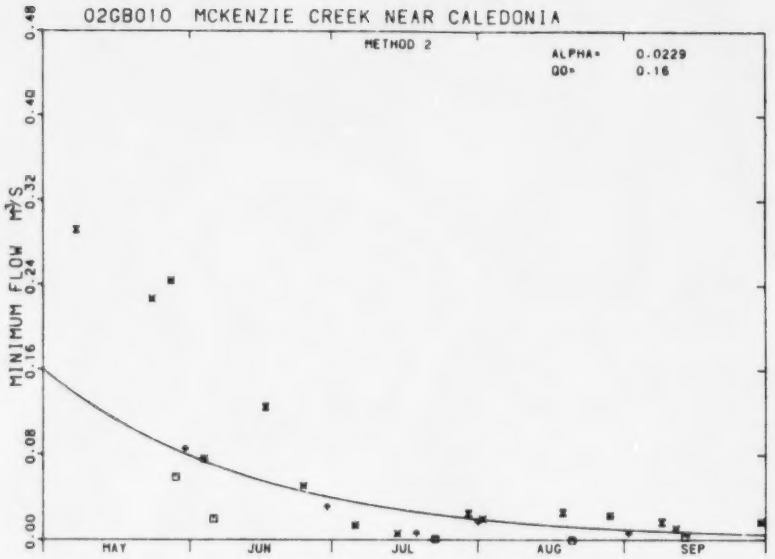
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	30	40.50	MAY	1977	30	40.50
1977	JUN	29	22.90	MAY	1978	1	51.30
1977	JUL	7	19.10	MAY	1975	19	54.70
1977	AUG	17	17.90	MAY	1980	7	65.10
1977	SEP	23	24.60	MAY	1974	12	95.70
1975	MAY	19	54.70	JUN	1977	29	22.90
1975	JUN	30	92.60	JUN	1976	26	38.50
1975	JUL	31	20.50	JUN	1980	28	41.00
1975	AUG	29	17.00	JUN	1979	8	68.00
1975	SEP	1	16.60	JUN	1974	30	74.20
1980	MAY	7	65.10	JUL	1977	7	19.10
1980	JUN	28	41.00	JUL	1975	31	20.30
1980	JUL	19	33.10	JUL	1976	31	26.10
1980	AUG	23	32.70	JUL	1980	19	33.10
1980	SEP	8	32.70	JUL	1979	21	34.00
1976	MAY	30	116.00	AUG	1975	29	17.00
1976	JUN	26	38.50	AUG	1977	17	17.90
1976	JUL	31	26.10	AUG	1976	12	18.40
1976	AUG	12	18.40	AUG	1979	16	24.40
1976	SEP	5	13.50	AUG	1980	23	32.70
1978	MAY	1	51.30	SEP	1976	5	13.50
1978	JUN	1	88.10	SEP	1975	1	16.60
1978	JUL	26	41.30	SEP	1977	23	24.60
1978	AUG	8	40.80	SEP	1979	24	29.50
1978	SEP	29	37.70	SEP	1980	8	32.70

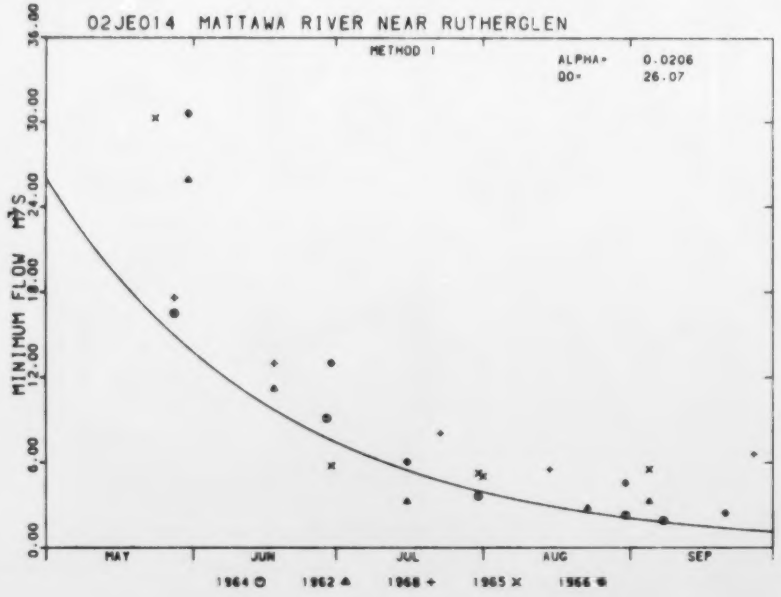
ALPHA= .0192 MU= .0016 QO= 107.20

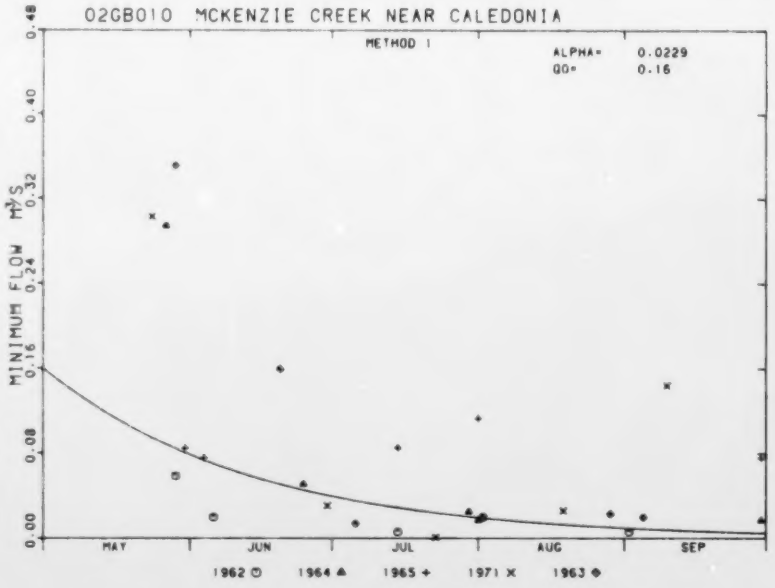
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	216362.0	116455.3	67054.5	36972.7	19900.3	456744.9	8.24
CURVE 2	188926.3	90390.0	55831.4	36879.2	25451.6	397478.4	7.17


02JE014 MATTAWA RIVER NEAR RUTHERGLEN
METHOD 2
ALPHA= 0.0206
QO= 26.07
MINIMUM FLOW M³/S
0.00
6.00
12.00
18.00
24.00
30.00
36.00
MAY
JUN
JUL
AUG
SEP


02GB010 MCKENZIE CREEK NEAR CALEDONIA
METHOD 2
ALPHA= 0.0229
QO= 0.16
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02JE014 MATTAWA RIVER NEAR RUTHERGLEN
METHOD 1
ALPHA= 0.0206
QO= 26.07
MINIMUM FLOW M³/S
0.00
6.00
12.00
18.00
24.00
30.00
36.00
MAY
JUN
JUL
AUG
SEP
1964 ○ 1962 ▲ 1968 + 1965 × 1966 ◆


02GB010 MCKENZIE CREEK NEAR CALEDONIA
METHOD 1
ALPHA= 0.0229
QO= 0.16
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1962 ○ 1964 ▲ 1965 + 1971 × 1963 ◆

02JE014 MATTAWA RIVER NEAR RUTHERGLEN

DRAINAGE AREA 2040 SQ KM NATURAL FLOW

PERIOD OF RECORD 1962-71

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	28	16.50	MAY	1964	28	16.50
1964	JUN	29	9.12	MAY	1968	28	17.60
1964	JUL	31	3.65	MAY	1962	31	25.90
1964	AUG	31	2.31	MAY	1967	28	28.60
1964	SEP	8	1.93	MAY	1970	27	29.70
1962	MAY	31	25.90	JUN	1965	30	5.78
1962	JUN	18	11.20	JUN	1964	29	9.12
1962	JUL	16	3.26	JUN	1962	18	11.20
1962	AUG	23	2.80	JUN	1966	30	13.00
1962	SEP	5	3.26	JUN	1968	18	13.00
1968	MAY	28	17.60	JUL	1962	16	3.26
1968	JUN	18	13.00	JUL	1964	31	3.65
1968	JUL	23	8.07	JUL	1965	31	5.27
1968	AUG	15	5.92	JUL	1966	16	6.06
1968	SEP	27	6.60	JUL	1963	31	6.63
1965	MAY	24	30.30	AUG	1964	31	2.31
1965	JUN	30	5.78	AUG	1962	23	2.80
1965	JUL	31	5.27	AUG	1967	28	4.36
1965	AUG	1	5.04	AUG	1966	31	4.56
1965	SEP	5	5.52	AUG	1965	1	5.04
1966	MAY	31	30.60	SEP	1964	8	1.93
1966	JUN	30	13.00	SEP	1966	21	2.44
1966	JUL	16	6.06	SEP	1962	5	3.26
1966	AUG	31	4.36	SEP	1963	27	3.48
1966	SEP	21	2.44	SEP	1967	19	3.68

ALPHA= .0206 QO= 26.07

02GB010 MCKENZIE CREEK NEAR CALEDONIA

DRAINAGE AREA 171 SQ KM REGULATED

PERIOD OF RECORD 1961-80

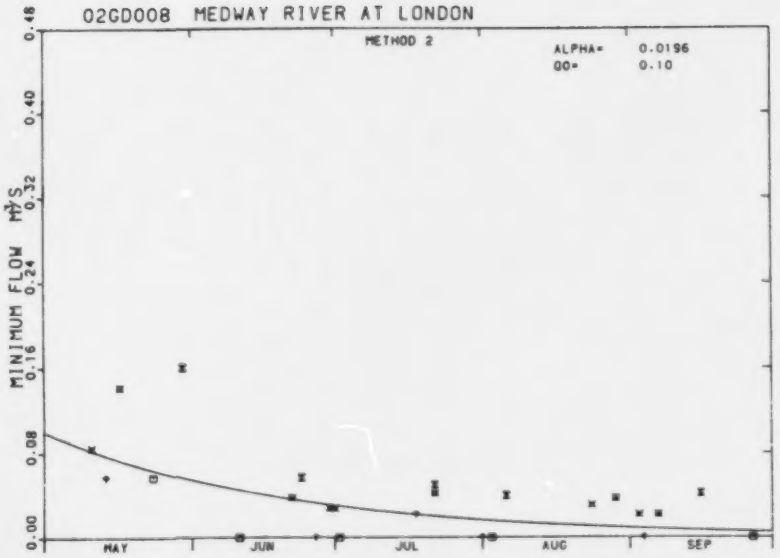
DISCHARGES IN CUBIC METRES PER SECOND

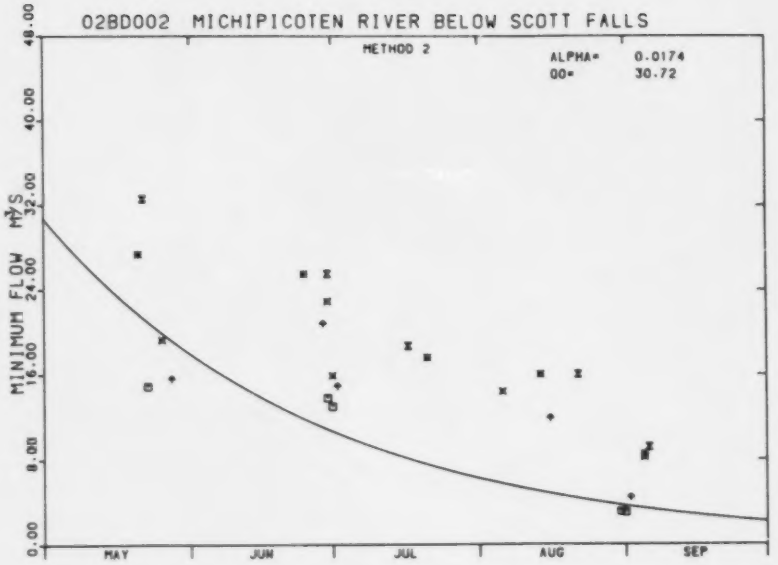
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	29	.059	MAY	1962	29	.059
1962	JUN	6	.020	MAY	1965	31	.085
1962	JUL	15	.006	MAY	1977	24	.227
1962	AUG	2	.020	MAY	1975	28	.244
1962	SEP	2	.006	MAY	1968	8	.292
1964	MAY	27	.294	JUN	1962	6	.020
1964	JUN	25	.051	JUN	1971	30	.031
1964	JUL	30	.025	JUN	1964	25	.051
1964	AUG	1	.017	JUN	1965	4	.076
1964	SEP	30	.017	JUN	1970	17	.125
1965	MAY	31	.085	JUL	1971	23	.001
1965	JUN	4	.076	JUL	1961	19	.006
1965	JUL	15	.085	JUL	1962	15	.006
1965	AUG	1	.113	JUL	1963	6	.014
1965	SEP	30	.076	JUL	1964	30	.025
1971	MAY	24	.303	AUG	1970	21	0.000
1971	JUN	30	.031	AUG	1964	1	.017
1971	JUL	23	.001	AUG	1962	2	.020
1971	AUG	19	.026	AUG	1963	29	.023
1971	SEP	10	.144	AUG	1971	19	.026
1963	MAY	29	.351	SEP	1961	14	.003
1963	JUN	20	.159	SEP	1962	2	.006
1963	JUL	6	.014	SEP	1967	12	.011
1963	AUG	29	.023	SEP	1964	30	.017
1963	SEP	5	.020	SEP	1966	9	.017

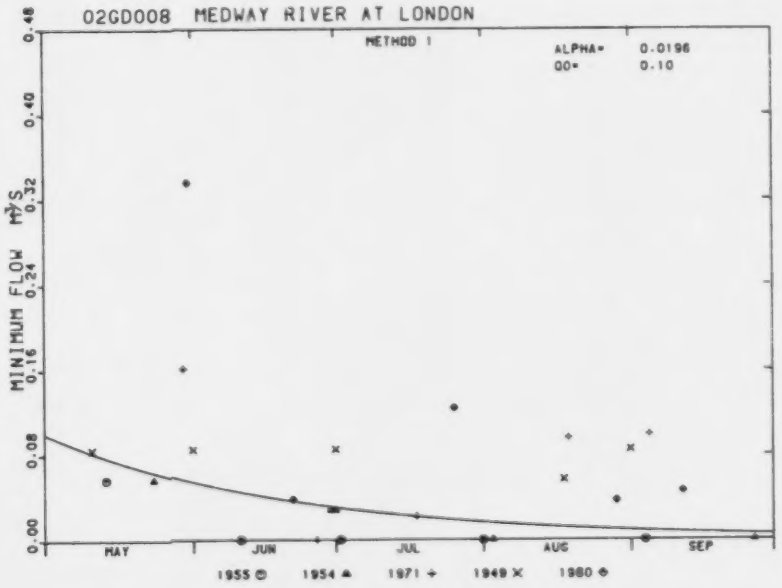
ALPHA= .0229 QO= .16

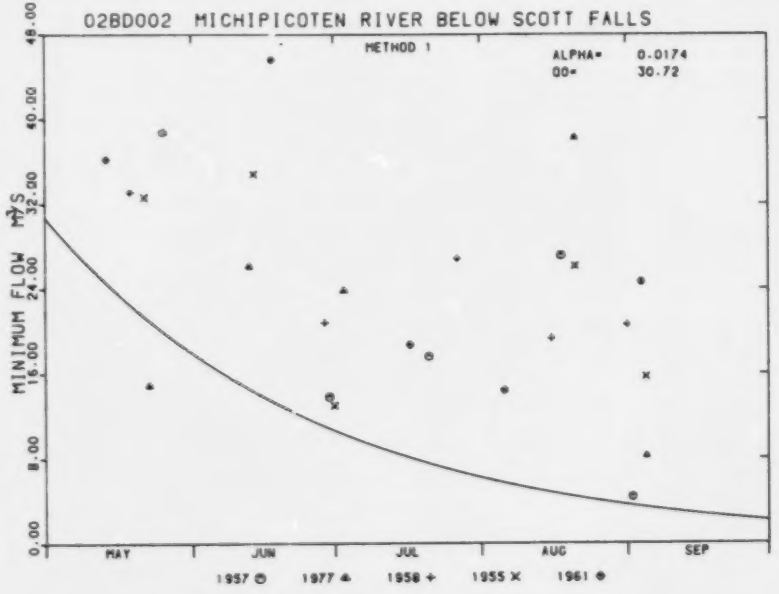
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.356	.137	.063	.110	.105


02GD008 MEDWAY RIVER AT LONDON
METHOD 2
ALPHA= 0.0196
QO= 0.10
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02BD002 MICHIPICOTEN RIVER BELOW SCOTT FALLS
METHOD 2
ALPHA= 0.0174
QO= 30.72
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02GD008 MEDWAY RIVER AT LONDON
METHOD 1
ALPHA= 0.0196
QO= 0.10
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1954 ▲ 1971 + 1949 × 1980 ◆


02BD002 MICHIPICOTEN RIVER BELOW SCOTT FALLS
METHOD 1
ALPHA= 0.0174
QO= 30.72
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1957 ⊙ 1977 ▲ 1958 + 1955 × 1961 ◆

02GD008 MEDWAY RIVER AT LONDON

DRAINAGE AREA 200 SQ KM NATURAL FLOW

PERIOD OF RECORD 1945-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	14	.057	MAY	1954	24	.057
1955	JUN	11	0.000	MAY	1955	14	.057
1955	JUL	2	0.000	MAY	1949	11	.085
1955	AUG	1	0.000	MAY	1950	17	.142
1955	SEP	4	0.000	MAY	1971	30	.161
1954	MAY	24	.057	JUN	1955	11	0.000
1954	JUN	30	.028	JUN	1971	27	0.000
1954	JUL	1	.028	JUN	1954	30	.028
1954	AUG	3	0.000	JUN	1980	22	.038
1954	SEP	27	0.000	JUN	1979	24	.057
1971	MAY	30	.161	JUL	1955	2	0.000
1971	JUN	27	0.000	JUL	1971	18	.022
1971	JUL	18	.022	JUL	1954	1	.028
1971	AUG	19	.096	JUL	1973	22	.042
1971	SEP	5	.099	JUL	1979	22	.050
1949	MAY	11	.085	AUG	1954	3	0.000
1949	JUN	1	.085	AUG	1955	1	0.000
1949	JUL	1	.085	AUG	1978	24	.031
1949	AUG	18	.057	AUG	1980	29	.037
1949	SEP	1	.085	AUG	1973	6	.040
1980	MAY	31	.336	SEP	1954	27	0.000
1980	JUN	22	.038	SEP	1955	4	0.000
1980	JUL	26	.124	SEP	1973	3	.022
1980	AUG	29	.037	SEP	1978	7	.022
1980	SEP	12	.046	SEP	1974	16	.042

ALPHA= .0196 QO= .10

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.228	.017	.032	.011	.014

02BD002 MICHIPICOTEN RIVER BELOW SCOTT FALLS

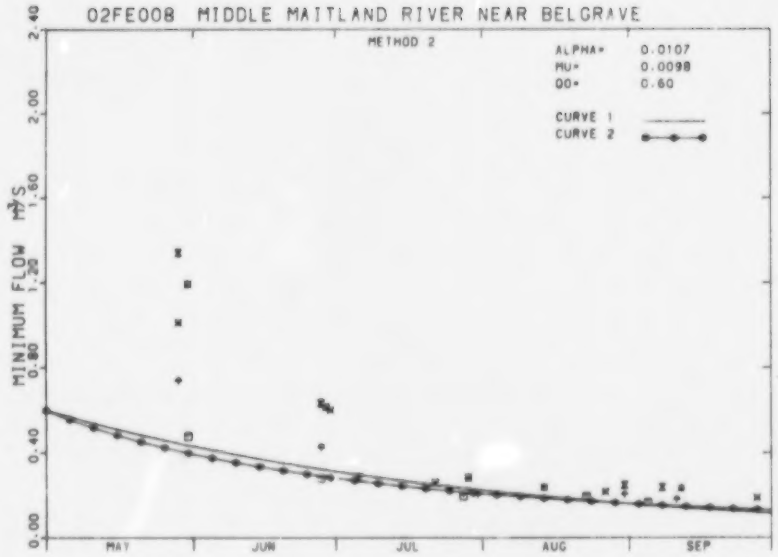
DRAINAGE AREA 5360 SQ KM REGULATED

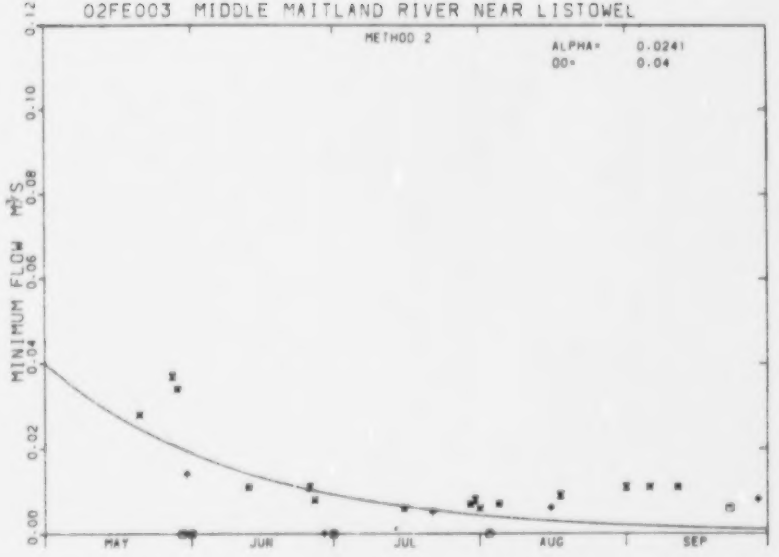
PERIOD OF RECORD 1920-80

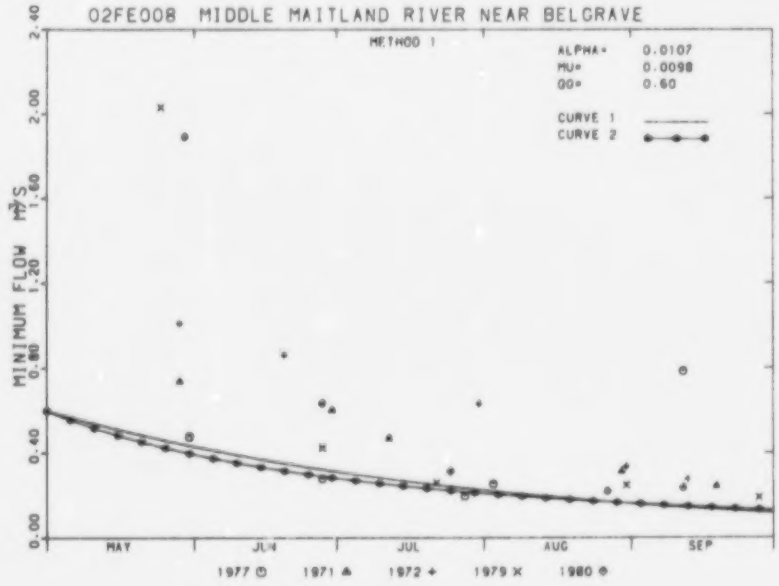
DISCHARGES IN CUBIC METRES PER SECOND

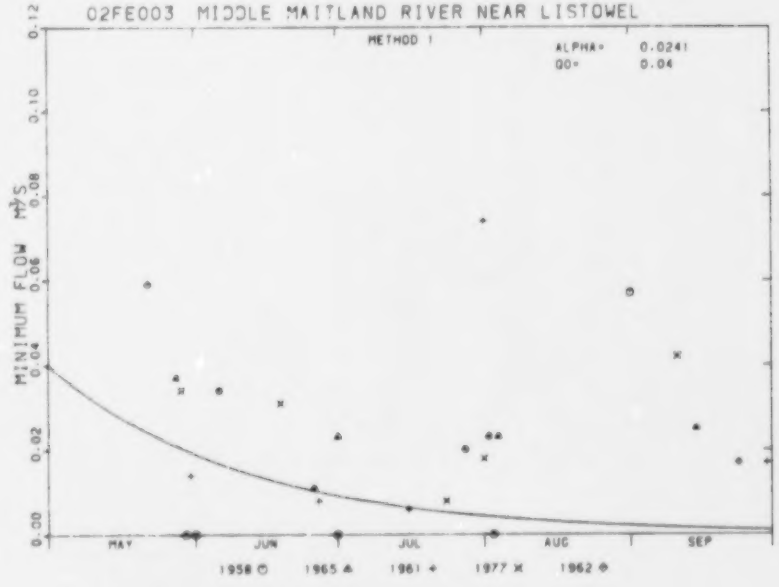
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1957	MAY	26	38.80	MAY	1977	23	14.90
1957	JUN	30	13.80	MAY	1972	28	15.60
1957	JUL	21	17.60	MAY	1974	26	19.30
1957	AUG	18	27.10	MAY	1959	21	27.40
1957	SEP	2	4.39	MAY	1955	22	32.60
1977	MAY	23	14.90	JUN	1957	30	13.80
1977	JUN	13	26.10	JUN	1958	29	20.80
1977	JUL	3	23.80	JUN	1964	30	22.90
1977	AUG	21	38.20	JUN	1932	25	25.50
1977	SEP	5	8.21	JUN	1974	30	25.50
1958	MAY	19	33.10	JUL	1955	1	13.00
1958	JUN	29	20.80	JUL	1934	2	14.90
1958	JUL	27	26.80	JUL	1964	1	15.90
1958	AUG	16	19.30	JUL	1957	21	17.60
1958	SEP	1	20.60	JUL	1961	17	18.70
1955	MAY	22	32.60	AUG	1969	31	3.89
1955	JUN	14	34.80	AUG	1932	16	11.90
1955	JUL	1	13.00	AUG	1961	6	14.40
1955	AUG	21	26.10	AUG	1933	14	16.80
1955	SEP	5	15.70	AUG	1934	22	16.00
1961	MAY	14	36.20	SEP	1969	1	3.03
1961	JUN	18	45.60	SEP	1957	2	4.39
1961	JUL	17	18.70	SEP	1977	5	8.21
1961	AUG	6	14.40	SEP	1932	5	8.50
1961	SEP	4	24.60	SEP	1974	6	9.17

ALPHA= .0174 QO= 30.72


02FE008 MIDDLE MAITLAND RIVER NEAR BELGRAVE
METHOD 2
ALPHA= 0.0107
MU= 0.0098
QO= 0.60
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02FE003 MIDDLE MAITLAND RIVER NEAR LISTOWEL
METHOD 2
ALPHA= 0.0241
QO= 0.04
MINIMUM FLOW M³/S
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP


02FE008 MIDDLE MAITLAND RIVER NEAR BELGRAVE
METHOD 1
ALPHA= 0.0107
MU= 0.0098
QO= 0.60
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1977
1971
1972
1979
1980


02FE003 MIDDLE MAITLAND RIVER NEAR LISTOWEL
METHOD 1
ALPHA= 0.0241
QO= 0.04
MINIMUM FLOW M³/S
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP
1958
1965
1961
1977
1962

02FE006 MIDDLE MAITLAND RIVER NEAR BELGRAVE

DRAINAGE AREA 648 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.48	MAY	1977	31	.48
1977	JUN	28	.28	MAY	1971	29	.74
1977	JUL	28	.20	MAY	1972	29	1.01
1977	AUG	3	.25	MAY	1975	31	1.19
1977	SEP	12	.78	MAY	1968	29	1.34
1971	MAY	29	.74	JUN	1977	28	.28
1971	JUN	30	.60	JUN	1979	28	.42
1971	JUL	12	.47	JUN	1971	30	.60
1971	AUG	30	.31	JUN	1976	29	.61
1971	SEP	19	.24	JUN	1980	28	.63
1972	MAY	29	1.01	JUL	1977	28	.20
1972	JUN	20	.86	JUL	1974	31	.20
1972	JUL	31	.63	JUL	1979	22	.26
1972	AUG	31	.33	JUL	1968	29	.28
1972	SEP	13	.28	JUL	1975	6	.28
1979	MAY	25	2.03	AUG	1976	23	.20
1979	JUN	28	.42	AUG	1973	31	.20
1979	JUL	22	.26	AUG	1980	27	.22
1979	AUG	31	.25	AUG	1978	14	.24
1979	SEP	28	.19	AUG	1979	31	.25
1980	MAY	30	1.89	SEP	1973	5	.17
1980	JUN	28	.63	SEP	1974	11	.18
1980	JUL	29	.31	SEP	1979	28	.19
1980	AUG	27	.22	SEP	1980	12	.23
1980	SEP	12	.23	SEP	1969	8	.24

ALPHA= .0107 MU= .0098 QO= .60

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1363.8	950.9	708.4	507.8	354.1	3885.0	.60
CURVE 2	1299.0	860.3	647.2	490.0	372.8	3669.4	.57

02FE003 MIDDLE MAITLAND RIVER NEAR LISTOWEL

DRAINAGE AREA 77.7 SQ KM REGULATED

PERIOD OF RECORD 1953-80

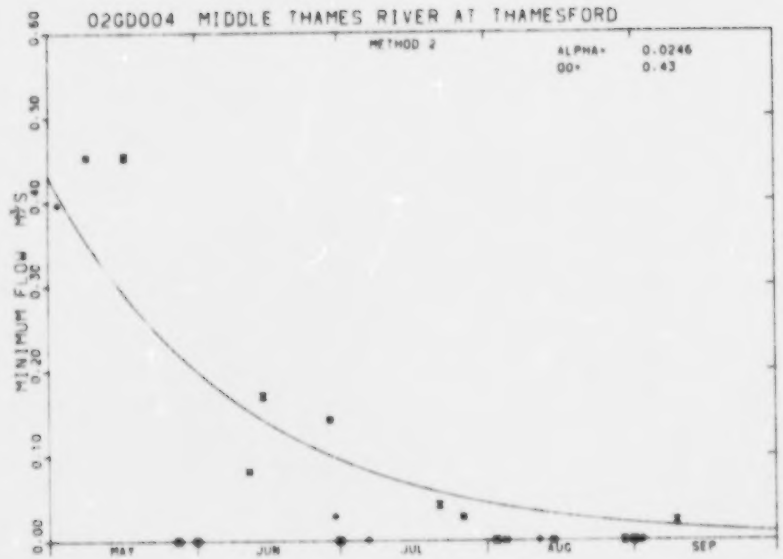
DISCHARGES IN CUBIC METRES PER SECOND

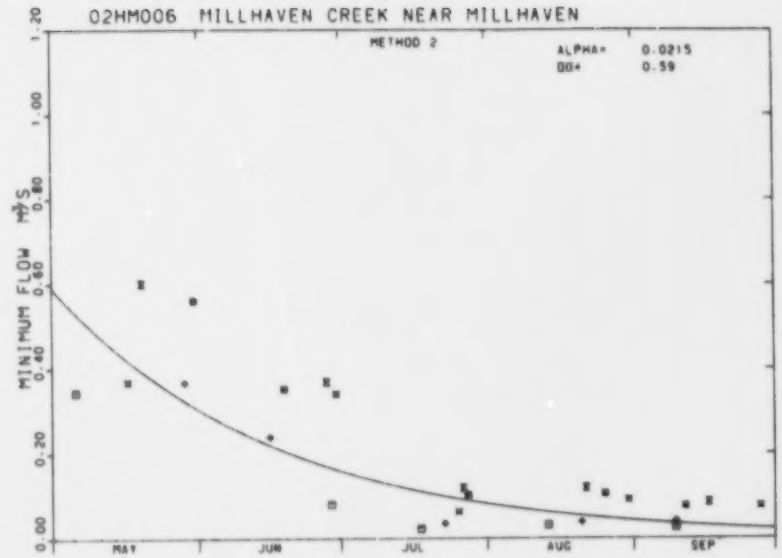
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	30	0.000	MAY	1958	30	0.000
1958	JUN	1	0.000	MAY	1961	31	.014
1958	JUL	1	0.000	MAY	1955	21	.028
1958	AUG	3	0.000	MAY	1977	29	.034
1958	SEP	1	.057	MAY	1965	28	.037
1965	MAY	28	.037	JUN	1958	1	0.000
1965	JUN	26	.011	JUN	1963	29	0.000
1965	JUL	1	.023	JUN	1961	27	.008
1965	AUG	4	.023	JUN	1964	13	.011
1965	SEP	15	.025	JUN	1965	26	.011
1961	MAY	31	.014	JUL	1958	1	0.000
1961	JUN	27	.008	JUL	1973	22	.005
1961	JUL	16	.006	JUL	1961	16	.006
1961	AUG	1	.074	JUL	1974	30	.007
1961	SEP	30	.017	JUL	1960	31	.008
1977	MAY	29	.034	AUG	1958	3	0.000
1977	JUN	19	.031	AUG	1960	16	.006
1977	JUL	24	.008	AUG	1964	1	.006
1977	AUG	1	.018	AUG	1978	5	.007
1977	SEP	11	.042	AUG	1970	18	.009
1962	MAY	22	.059	SEP	1974	23	.006
1962	JUN	6	.034	SEP	1964	29	.008
1962	JUL	28	.020	SEP	1960	6	.011
1962	AUG	2	.023	SEP	1970	12	.011
1962	SEP	24	.017	SEP	1979	1	.011

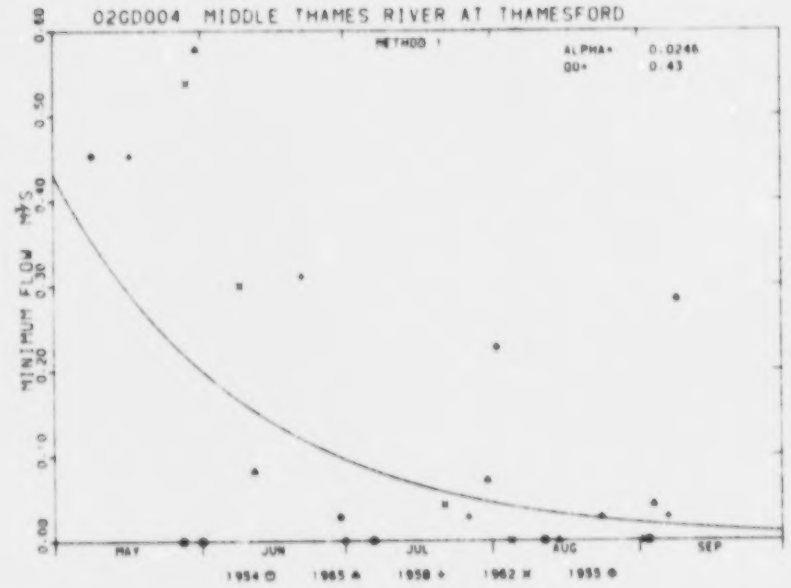
ALPHA= .0241 QO= .04

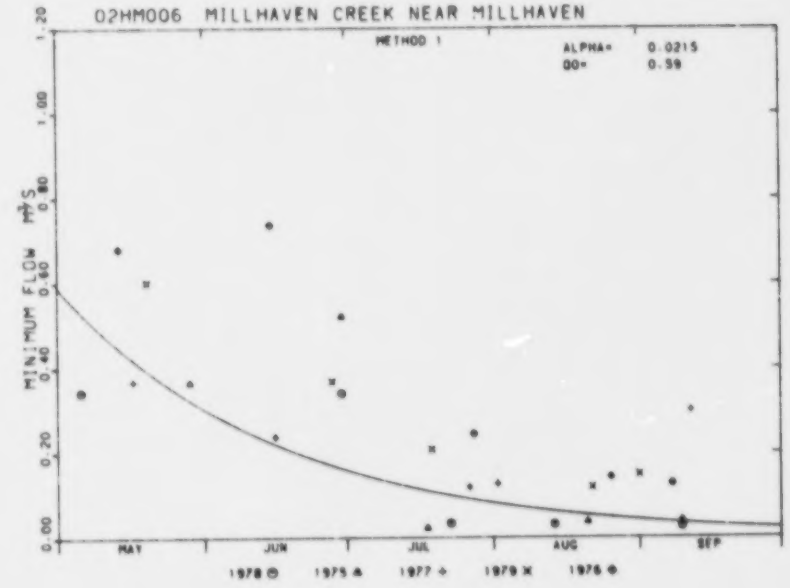
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.062	.021	.022	.018	.018


02GD004 MIDDLE THAMES RIVER AT THAMESFORD
METHOD 2
ALPHA= 0.0246
QO= 0.43
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HM006 MILLHAVEN CREEK NEAR MILLHAVEN
METHOD 2
ALPHA= 0.0215
QO= 0.59
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GD004 MIDDLE THAMES RIVER AT THAMESFORD
METHOD 1
ALPHA= 0.0246
QO= 0.43
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1954 ⊙ 1965 ▲ 1958 ◇ 1962 × 1955 ⊕


02HM006 MILLHAVEN CREEK NEAR MILLHAVEN
METHOD 1
ALPHA= 0.0215
QO= 0.59
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1978 ⊙ 1975 ▲ 1977 ◇ 1979 × 1976 ⊕

02GG004 MIDDLE THAMES RIVER AT THAMESFORD

DRAINAGE AREA 306 SQ KM REGULATED

PERIOD OF RECORD 1938-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1954	MAY	28	0.000	MAY	1954	28	0.000
1954	JUN	1	0.000	MAY	1952	3	.396
1954	JUL	7	0.000	MAY	1949	17	.453
1954	AUG	12	0.000	MAY	1955	6	.453
1954	SEP	3	0.000	MAY	1958	17	.453
1965	MAY	31	.578	JUN	1954	1	0.000
1965	JUN	12	.082	JUN	1959	30	.028
1965	JUL	31	.071	JUN	1965	12	.082
1965	AUG	15	0.000	JUN	1961	29	.142
1965	SEP	4	.042	JUN	1956	15	.170
1958	MAY	17	.453	JUL	1953	1	0.000
1958	JUN	22	.311	JUL	1954	7	0.000
1958	JUL	27	.028	JUL	1959	1	0.000
1958	AUG	24	.028	JUL	1958	27	.028
1958	SEP	7	.028	JUL	1962	22	.042
1962	MAY	29	.538	AUG	1953	3	0.000
1962	JUN	9	.300	AUG	1954	12	0.000
1962	JUL	22	.042	AUG	1962	5	0.000
1962	AUG	5	0.000	AUG	1963	15	0.000
1962	SEP	2	0.000	AUG	1969	30	0.000
1959	MAY	9	.453	SEP	1953	1	0.000
1959	JUN	30	.028	SEP	1954	3	0.000
1959	JUL	1	0.000	SEP	1962	2	0.000
1959	AUG	2	.227	SEP	1969	1	0.000
1959	SEP	9	.283	SEP	1966	10	.023

ALPHA= .0246 QO= .43

PINIRUP MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.747	.201	.256	.091	.187

02HH006 MILLHAVEN CREEK NEAR MILLHAVEN

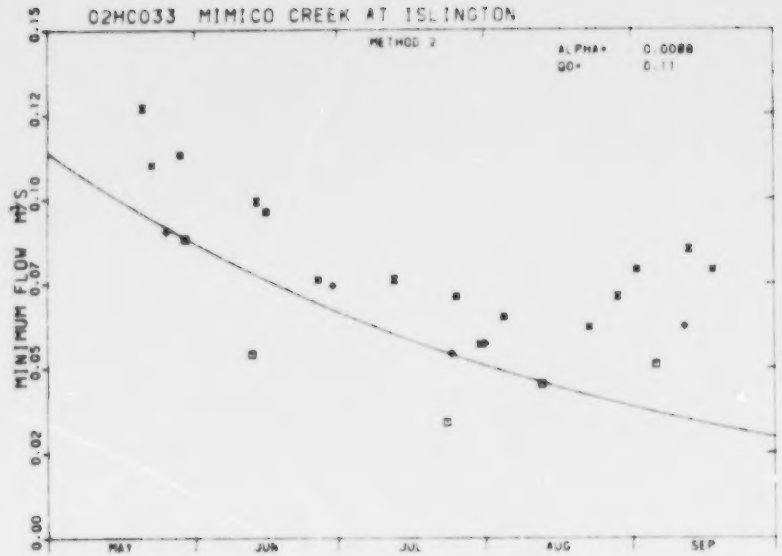
DRAINAGE AREA 150 SQ KM REGULATED

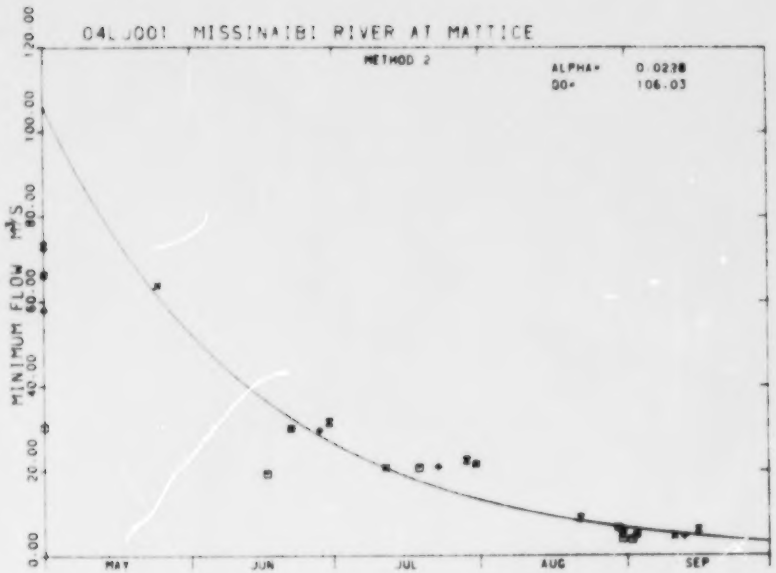
PERIOD OF RECORD 1968-80

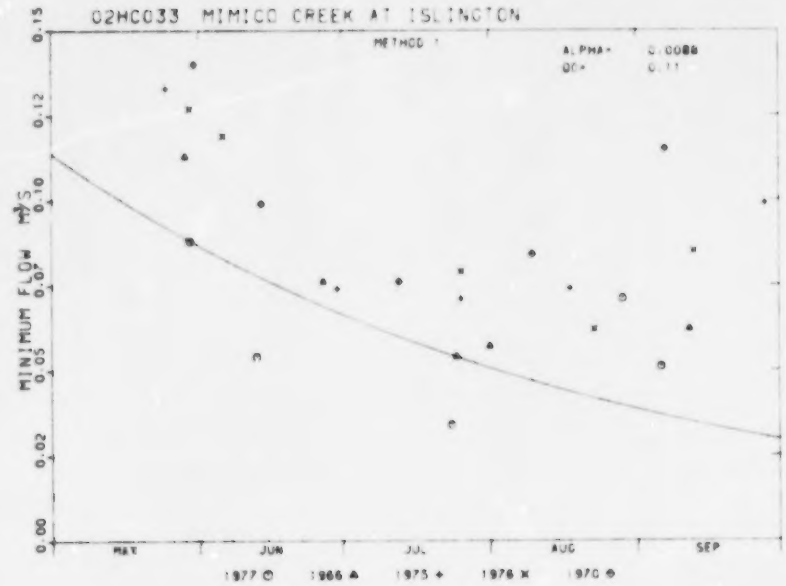
DISCHARGES IN CUBIC METRES PER SECOND

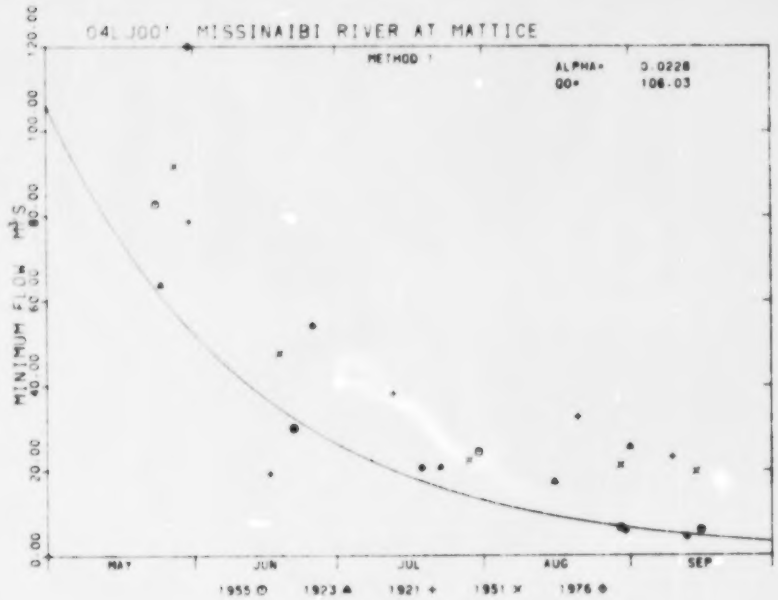
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1978	MAY	6	.343	MAY	1978	6	.343
1978	JUN	30	.340	MAY	1975	29	.365
1978	JUL	23	.034	MAY	1977	17	.368
1978	AUG	14	.031	MAY	1980	31	.360
1978	SEP	10	.026	MAY	1979	20	.601
1975	MAY	29	.365	JUN	1980	29	.081
1975	JUN	30	.921	JUN	1977	16	.238
1975	JUL	18	.023	JUN	1978	30	.340
1975	AUG	21	.037	JUN	1971	19	.351
1975	SEP	10	.040	JUN	1979	28	.368
1977	MAY	17	.368	JUL	1975	18	.023
1977	JUN	16	.238	JUL	1978	23	.034
1977	JUL	27	.119	JUL	1980	26	.063
1977	AUG	2	.127	JUL	1973	28	.102
1977	SEP	12	.300	JUL	1977	27	.119
1979	MAY	20	.601	AUG	1978	14	.031
1979	JUN	28	.368	AUG	1975	21	.037
1979	JUL	19	.208	AUG	1973	31	.091
1979	AUG	22	.119	AUG	1974	26	.105
1979	SEP	1	.149	AUG	1979	22	.119
1976	MAY	14	.680	SEP	1978	10	.026
1976	JUN	13	.736	SEP	1975	10	.040
1976	JUL	28	.244	SEP	1971	28	.076
1976	AUG	26	.142	SEP	1973	12	.076
1976	SEP	8	.127	SEP	1974	17	.085

ALPHA= .0215 QO= .39


02HC033 MIMICO CREEK AT ISLINGTON
METHOD 2
ALPHA= 0.0088
QO= 0.11
MINIMUM FLOW M³/S
0.00
0.02
0.05
0.07
0.10
0.12
0.15
MAY
JUN
JUL
AUG
SEP


04LJ001 MISSINAIBI RIVER AT MATTICE
METHOD 2
ALPHA= 0.0228
QO= 106.03
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02HC033 MIMICO CREEK AT ISLINGTON
METHOD 1
ALPHA= 0.0088
QO= 0.11
MINIMUM FLOW M³/S
0.00
0.02
0.05
0.07
0.10
0.12
0.15
MAY
JUN
JUL
AUG
SEP
1977 ○ 1986 △ 1975 + 1978 × 1970 ◇


04LJ001 MISSINAIBI RIVER AT MATTICE
METHOD 1
ALPHA= 0.0228
QO= 106.03
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1955 ○ 1923 △ 1921 + 1951 × 1976 ◇

02HC033 MIMICO CREEK AT ISLINGTON

DRAINAGE AREA 63.2 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-86

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	30	.088	MAY	1977	30	.088
1977	JUN	13	.094	MAY	1980	26	.090
1977	JUL	24	.084	MAY	1971	23	.110
1977	AUG	29	.071	MAY	1966	29	.113
1977	SEP	6	.091	MAY	1967	21	.127
1966	MAY	29	.113	JUN	1977	13	.094
1966	JUN	27	.076	JUN	1975	30	.074
1966	JUL	25	.054	JUN	1966	27	.076
1966	AUG	1	.057	JUN	1968	16	.096
1966	SEP	12	.062	JUN	1970	14	.099
1975	MAY	25	.123	JUL	1977	24	.084
1975	JUN	30	.074	JUL	1966	25	.094
1975	JUL	26	.071	JUL	1978	31	.057
1975	AUG	18	.074	JUL	1975	26	.071
1975	SEP	28	.099	JUL	1970	13	.076
1976	MAY	30	.127	AUG	1978	13	.045
1976	JUN	6	.119	AUG	1966	1	.057
1976	JUL	26	.079	AUG	1976	23	.062
1976	AUG	23	.062	AUG	1968	9	.065
1976	SEP	13	.085	AUG	1977	29	.071
1970	MAY	31	.140	SEP	1977	6	.091
1970	JUN	14	.099	SEP	1966	12	.062
1970	JUL	13	.076	SEP	1967	18	.079
1970	AUG	10	.084	SEP	1978	2	.079
1970	SEP	7	.115	SEP	1976	13	.085

ALPHA= .0088 BB= .11

04LJ001 MISSINAIBI RIVER AT MATTICE

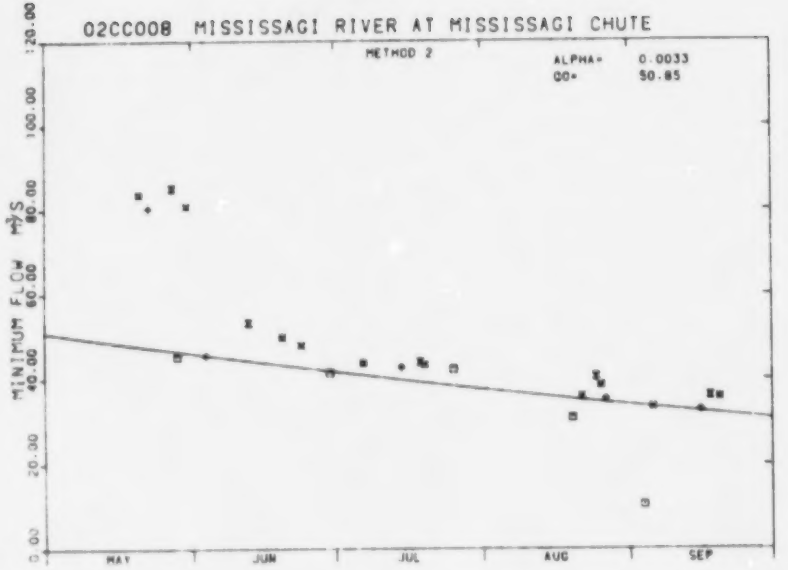
DRAINAGE AREA 8940 SQ KM NATURAL FLOW

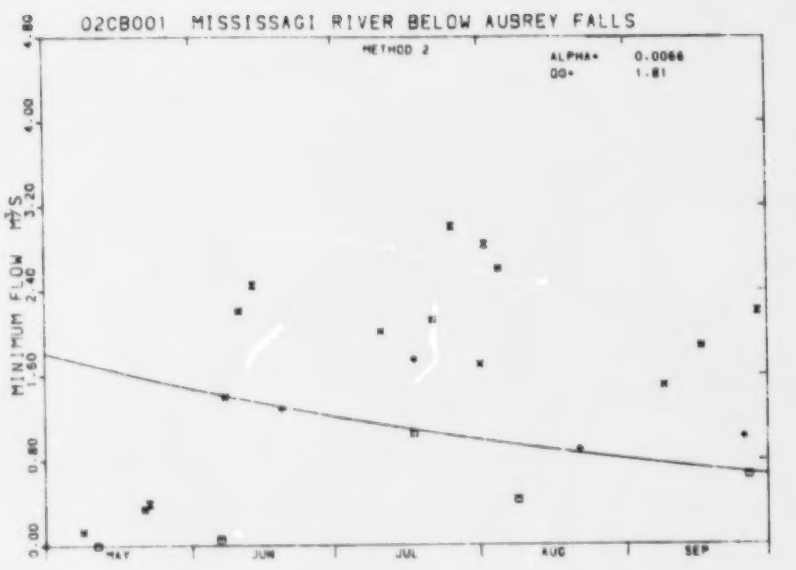
PERIOD OF RECORD 1920-86

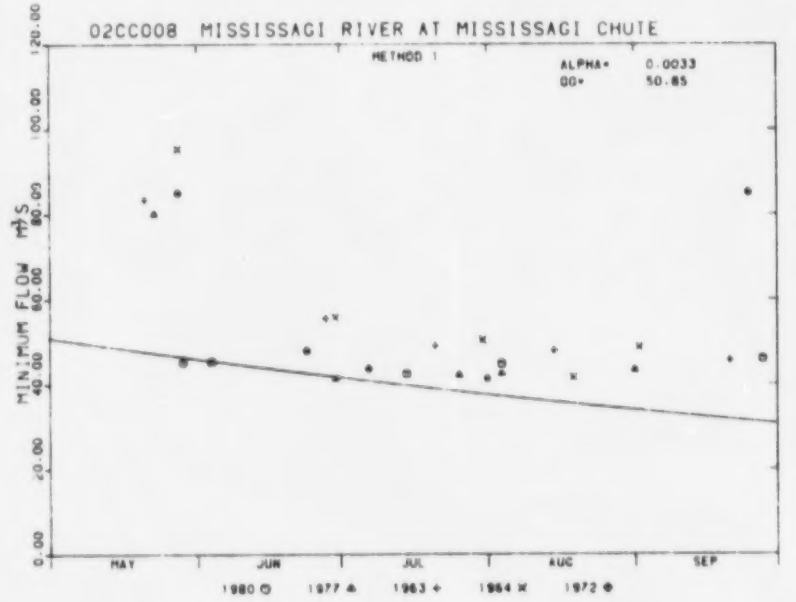
DISCHARGES IN CUBIC METRES PER SECOND

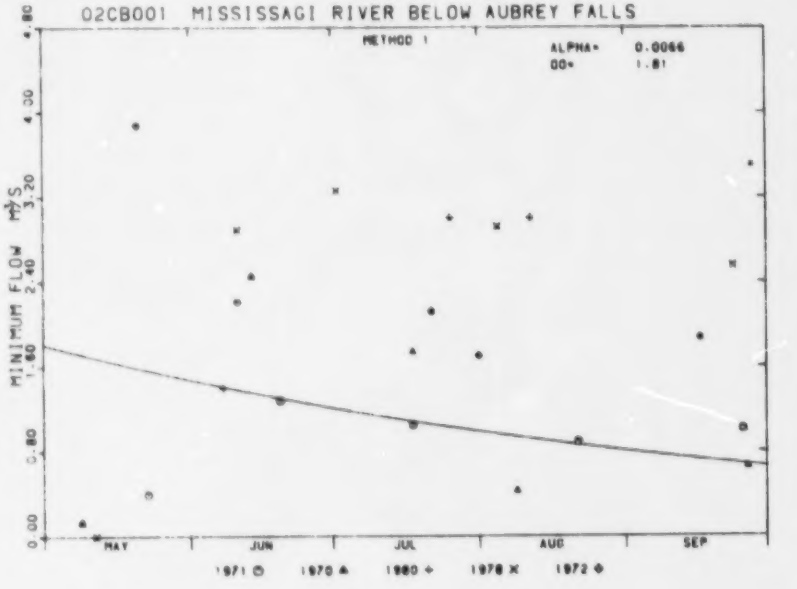
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	24	82.70	MAY	1926	1	30.30
1955	JUN	22	30.00	MAY	1934	1	57.80
1955	JUL	31	24.40	MAY	1923	25	63.70
1955	AUG	30	6.91	MAY	1947	1	66.30
1955	SEP	16	5.99	MAY	1956	1	73.10
1923	MAY	25	63.70	JUN	1921	17	19.30
1923	JUN	22	30.00	JUN	1932	28	29.40
1923	JUL	23	20.70	JUN	1923	22	30.00
1923	AUG	14	17.30	JUN	1955	22	30.00
1923	SEP	1	25.50	JUN	1942	30	31.40
1921	MAY	31	78.70	JUL	1976	19	20.60
1921	JUN	17	19.30	JUL	1923	23	20.70
1921	JUL	13	30.20	JUL	1937	12	20.70
1921	AUG	21	32.60	JUL	1949	31	21.50
1921	SEP	10	23.20	JUL	1951	29	22.40
1991	MAY	28	91.70	AUG	1975	31	3.85
1991	JUN	19	47.60	AUG	1931	31	5.61
1991	JUL	29	22.40	AUG	1976	31	5.80
1991	AUG	30	21.20	AUG	1955	30	6.51
1991	SEP	15	19.70	AUG	1936	22	8.78
1976	MAY	31	120.00	SEP	1979	2	3.68
1976	JUN	26	54.10	SEP	1976	13	4.36
1976	JUL	19	20.60	SEP	1953	11	4.53
1976	AUG	31	5.80	SEP	1931	3	4.81
1976	SEP	13	4.36	SEP	1955	16	5.05

ALPHA= .0228 BB= 100.03


02CC008 MISSISSAGI RIVER AT MISSISSAGI CHUTE
METHOD 2
ALPHA= 0.0033
QO= 50.85
MINIMUM FLOW M³/S
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP


02CB001 MISSISSAGI RIVER BELOW AUBREY FALLS
METHOD 2
ALPHA= 0.0066
QO= 1.81
MINIMUM FLOW M³/S
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP


02CC008 MISSISSAGI RIVER AT MISSISSAGI CHUTE
METHOD 1
ALPHA= 0.0033
QO= 50.85
MINIMUM FLOW M³/S
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP
1980 ○ 1977 △ 1963 + 1964 X 1972 ●


02CB001 MISSISSAGI RIVER BELOW AUBREY FALLS
METHOD 1
ALPHA= 0.0066
QO= 1.81
MINIMUM FLOW M³/S
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP
1971 ○ 1979 △ 1980 + 1978 X 1972 ●

02CC000 MISSISSAGI RIVER AT MISSISSAGI CHUTE

DRAINAGE AREA 9300 SQ KM REGULATED

PERIOD OF RECORD 1940-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1980	MAY	29	49.20
1980	JUN	4	49.30
1980	JUL	15	42.50
1980	AUG	4	44.80
1980	SEP	28	46.00
1977	MAY	23	80.10
1977	JUN	30	41.30
1977	JUL	26	42.20
1977	AUG	4	42.50
1977	SEP	1	43.30
1963	MAY	21	83.50
1963	JUN	28	55.50
1963	JUL	21	49.00
1963	AUG	15	47.90
1963	SEP	21	45.60
1964	MAY	28	99.40
1964	JUN	30	55.80
1964	JUL	31	50.40
1964	AUG	19	41.60
1964	SEP	2	48.70
1972	MAY	28	85.80
1972	JUN	24	47.90
1972	JUL	7	43.60
1972	AUG	1	41.30
1972	SEP	25	85.80

METHOD 2

MONTH	YEAR	DAY	FLOW
MAY	1980	29	49.20
MAY	1977	23	80.10
MAY	1969	31	80.70
MAY	1963	21	83.50
MAY	1972	28	85.80
JUN	1977	30	41.30
JUN	1980	4	49.30
JUN	1972	24	47.90
JUN	1965	20	49.80
JUN	1976	13	93.20
JUL	1977	26	42.20
JUL	1980	15	42.50
JUL	1971	28	43.30
JUL	1972	7	43.60
JUL	1978	19	43.90
AUG	1961	20	30.90
AUG	1949	27	35.10
AUG	1975	22	36.80
AUG	1950	26	38.50
AUG	1965	25	40.50
SEP	1961	4	10.40
SEP	1967	16	32.60
SEP	1949	6	33.40
SEP	1976	20	35.70
SEP	1975	18	36.00

ALPHA= .0033 QO= 50.85

02CB001 MISSISSAGI RIVER BELOW AUBREY FALLS

DRAINAGE AREA 4040 SQ KM REGULATED

PERIOD OF RECORD 1946-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1

YEAR	MONTH	DAY	FLOW
1971	MAY	23	.396
1971	JUN	20	1.280
1971	JUL	18	1.050
1971	AUG	22	.886
1971	SEP	26	1.010
1970	MAY	9	.133
1970	JUN	14	2.450
1970	JUL	18	1.740
1970	AUG	9	.428
1970	SEP	27	.654
1980	MAY	1	0.000
1980	JUN	6	1.400
1980	JUL	26	3.000
1980	AUG	12	3.000
1980	SEP	28	3.500
1979	MAY	12	0.000
1978	JUN	11	2.890
1978	JUL	2	3.260
1978	AUG	5	2.920
1978	SEP	24	2.550
1972	MAY	21	3.880
1972	JUN	11	2.210
1972	JUL	22	2.120
1972	AUG	1	1.700
1972	SEP	17	1.870

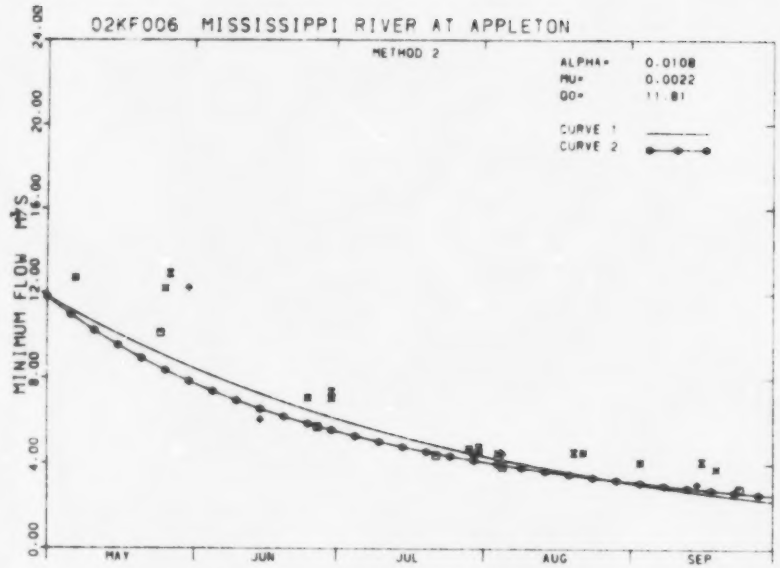
METHOD 2

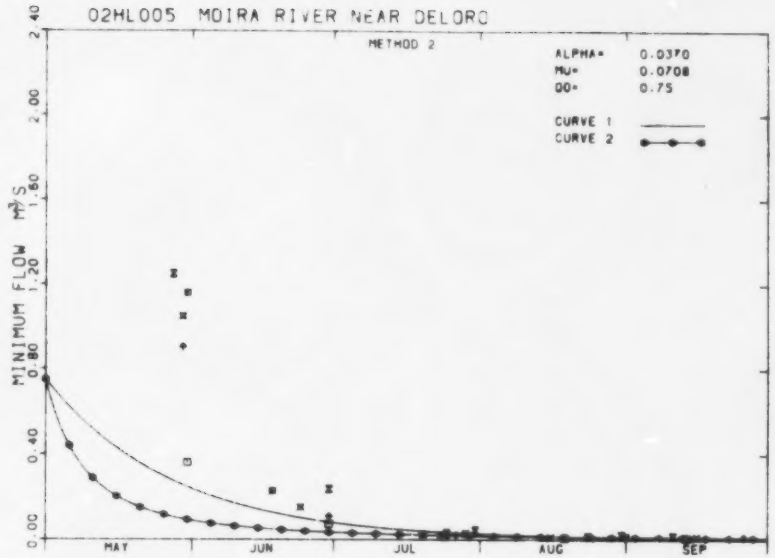
MONTH	YEAR	DAY	FLOW
MAY	1978	12	0.000
MAY	1980	1	0.000
MAY	1970	9	.133
MAY	1969	22	.348
MAY	1971	23	.396
JUN	1969	7	.057
JUN	1971	20	1.280
JUN	1980	6	1.400
JUN	1972	11	2.210
JUN	1970	14	2.450
JUL	1971	18	1.050
JUL	1970	18	1.740
JUL	1963	11	2.010
JUL	1972	22	2.120
JUL	1980	26	3.000
AUG	1970	9	.428
AUG	1971	22	.886
AUG	1972	1	1.700
AUG	1979	5	2.600
AUG	1975	2	2.830
SEP	1970	27	.654
SEP	1971	26	1.010
SEP	1977	9	1.500
SEP	1972	17	1.870
SEP	1979	29	2.200

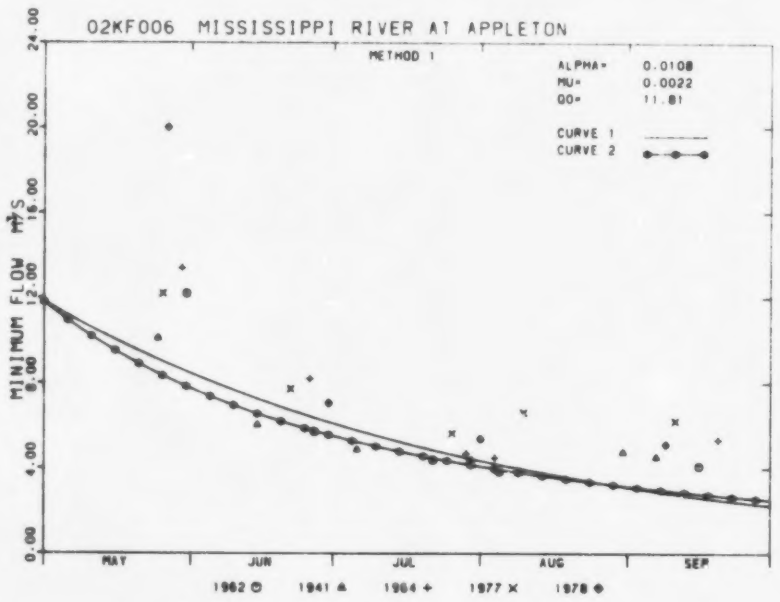
ALPHA= .0066 QO= 1.81

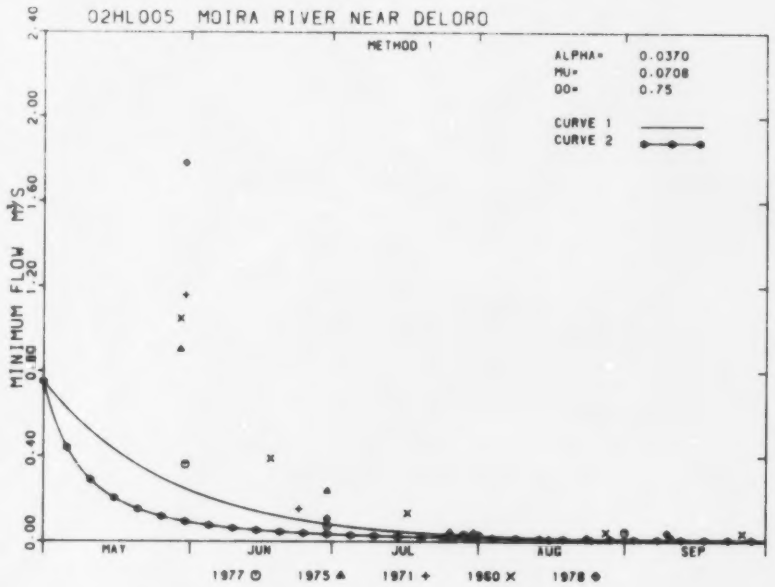
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
24.400	23.000	14.600	18.400	14.000


02KF006 MISSISSIPPI RIVER AT APPLETON
METHOD 2
ALPHA= 0.0108
MU= 0.0022
QO= 11.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02HL005 MOIRA RIVER NEAR DELORO
METHOD 2
ALPHA= 0.0370
MU= 0.0708
QO= 0.75
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02KF006 MISSISSIPPI RIVER AT APPLETON
METHOD 1
ALPHA= 0.0108
MU= 0.0022
QO= 11.81
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1941 ▲ 1964 + 1977 × 1978 ●


02HL005 MOIRA RIVER NEAR DELORO
METHOD 1
ALPHA= 0.0370
MU= 0.0708
QO= 0.75
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1971 + 1960 × 1978 ●

02KF006 MISSISSIPPI RIVER AT APPLETON

DRAINAGE AREA 2900 SQ KM REGULATED

PERIOD OF RECORD 1918-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	31	12.20	MAY	1941	25	10.10
1962	JUN	27	5.72	MAY	1962	31	12.20
1962	JUL	22	4.39	MAY	1977	26	12.20
1962	AUG	5	3.85	MAY	1946	7	12.70
1962	SEP	16	4.11	MAY	1968	27	12.90
1941	MAY	25	10.10	JUN	1962	27	5.72
1941	JUN	15	6.03	JUN	1941	15	6.03
1941	JUL	6	4.87	JUN	1978	30	7.05
1941	AUG	31	4.76	JUN	1960	25	7.08
1941	SEP	7	4.53	JUN	1975	30	7.36
1964	MAY	30	13.40	JUL	1962	22	4.39
1964	JUN	26	8.21	JUL	1978	30	4.39
1964	JUL	29	4.70	JUL	1971	31	4.59
1964	AUG	4	4.90	JUL	1964	29	4.70
1964	SEP	20	5.35	JUL	1938	31	4.76
1977	MAY	26	12.20	AUG	1962	5	3.85
1977	JUN	22	7.73	AUG	1971	5	4.45
1977	JUL	26	5.64	AUG	1964	4	4.90
1977	AUG	10	6.63	AUG	1920	22	4.53
1977	SEP	11	6.23	AUG	1933	20	4.53
1978	MAY	27	20.00	SEP	1922	24	2.83
1978	JUN	30	7.05	SEP	1929	15	3.03
1978	JUL	30	4.39	SEP	1937	19	3.77
1978	AUG	1	5.38	SEP	1933	3	4.08
1978	SEP	9	5.13	SEP	1962	16	4.11

ALPHA= .0108 MU= .0022 QO= 11.81

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	26866.3	18676.6	13871.6	9913.6	6891.6	76219.6	2.63
CURVE 2	25593.2	16915.1	12706.3	9609.6	7305.0	72129.2	2.49

02HL005 MOIRA RIVER NEAR DELORO

DRAINAGE AREA 308 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

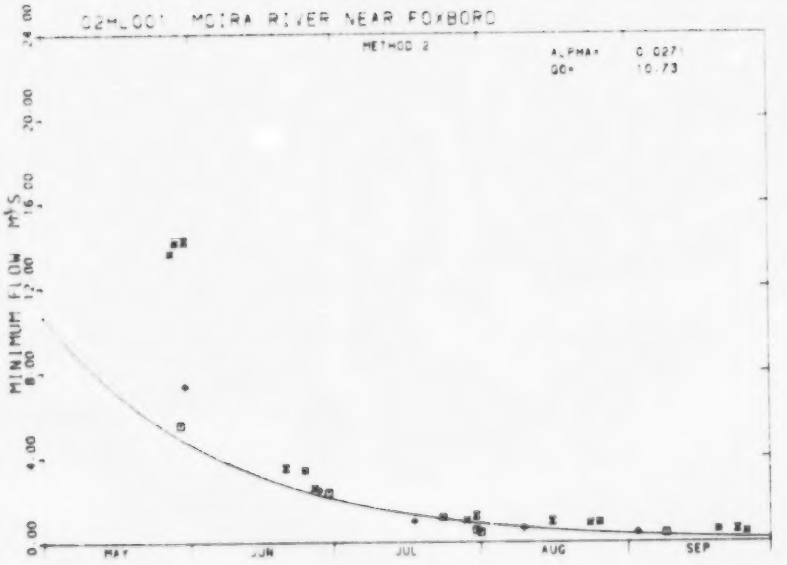
DISCHARGES IN CUBIC METRES PER SECOND

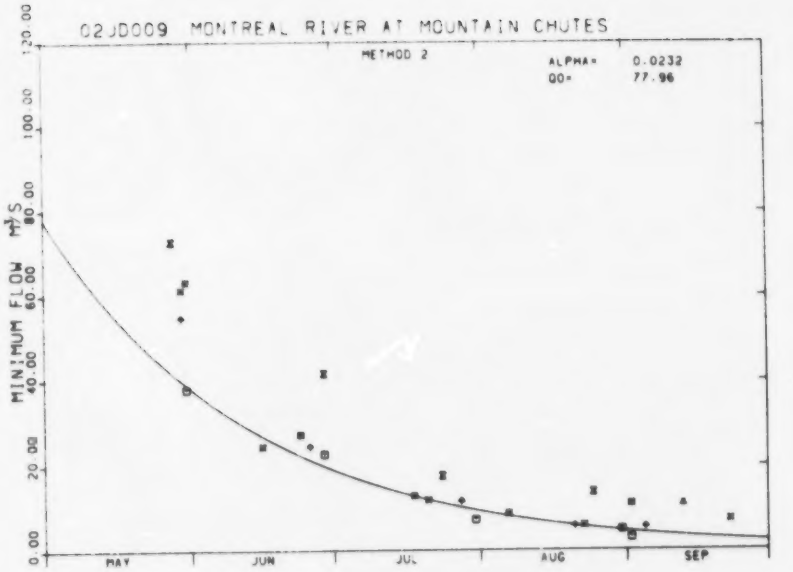
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.36	MAY	1977	31	.36
1977	JUN	30	.07	MAY	1975	30	.90
1977	JUL	29	.03	MAY	1980	30	1.05
1977	AUG	1	.03	MAY	1971	31	1.16
1977	SEP	1	.05	MAY	1968	28	1.25
1975	MAY	30	.90	JUN	1977	30	.07
1975	JUN	30	.24	JUN	1978	30	.11
1975	JUL	26	.05	JUN	1971	24	.15
1975	AUG	24	.02	JUN	1976	18	.23
1975	SEP	11	.02	JUN	1975	30	.24
1971	MAY	31	1.16	JUL	1966	24	.02
1971	JUN	24	.15	JUL	1978	27	.02
1971	JUL	31	.05	JUL	1977	29	.03
1971	AUG	25	.01	JUL	1979	25	.04
1971	SEP	1	.01	JUL	1971	31	.05
1980	MAY	30	1.05	AUG	1966	19	.01
1980	JUN	18	.39	AUG	1971	25	.01
1980	JUL	17	.13	AUG	1978	16	.01
1980	AUG	28	.04	AUG	1975	24	.02
1980	SEP	26	.04	AUG	1973	31	.02
1978	MAY	31	1.78	SEP	1973	14	.01
1978	JUN	30	.11	SEP	1979	26	.01
1978	JUL	27	.02	SEP	1966	16	.01
1978	AUG	16	.01	SEP	1971	1	.01
1978	SEP	10	.04	SEP	1975	11	.02

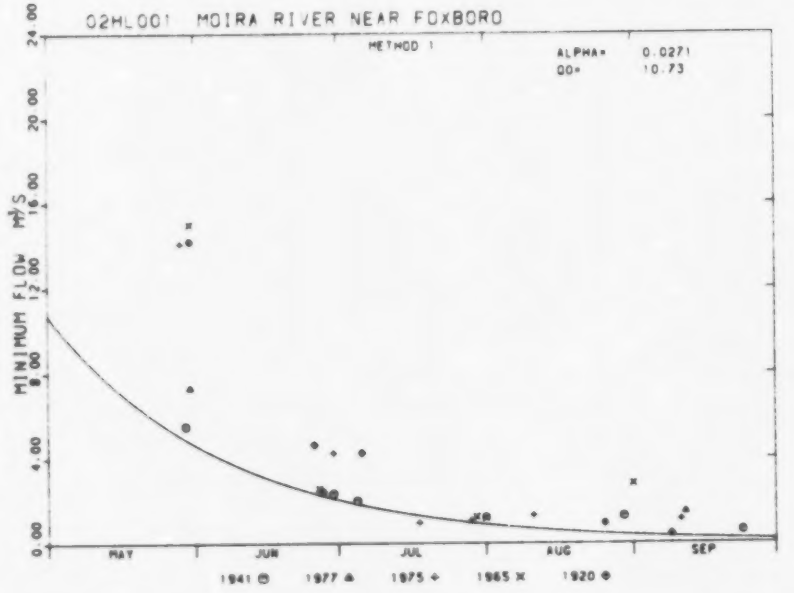
ALPHA= .0370 MU= .0708 QO= .75

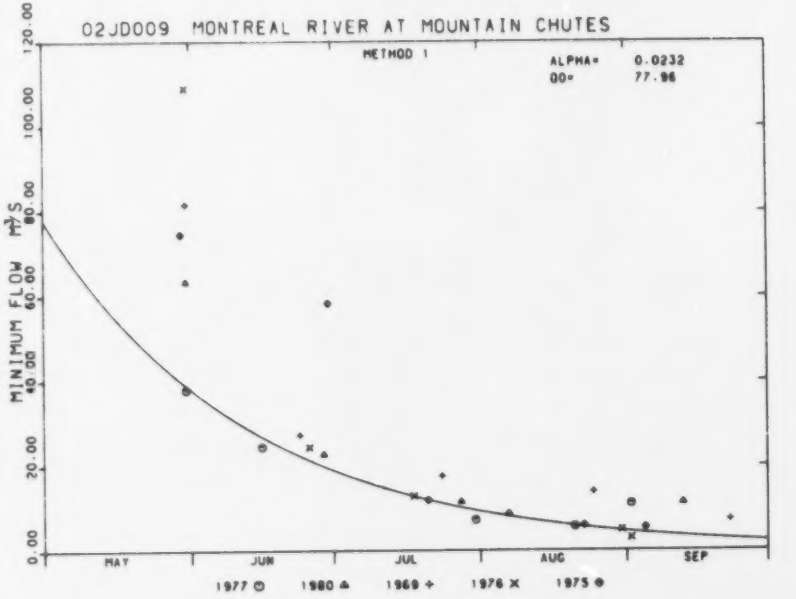
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1197.1	374.1	125.7	40.0	12.5	1749.3	.57
CURVE 2	693.3	141.6	63.9	35.5	22.0	956.1	.31


02HL001 MOIRA RIVER NEAR FOXBORO
METHOD 2
ALPHA= 0.0271
QO= 10.73
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02JD009 MONTREAL RIVER AT MOUNTAIN CHUTES
METHOD 2
ALPHA= 0.0232
QO= 77.96
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HL001 MOIRA RIVER NEAR FOXBORO
METHOD 1
ALPHA= 0.0271
QO= 10.73
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1941
1977
1975
1965
1920


02JD009 MONTREAL RIVER AT MOUNTAIN CHUTES
METHOD 1
ALPHA= 0.0232
QO= 77.96
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977
1980
1969
1976
1975

02ML001 POIRA RIVER NEAR FOXBORO

DRAINAGE AREA 2620 SQ KM REGULATED

PERIOD OF RECORD 1919-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1941	MAY	30	9.92	MAY	1941	30	9.92
1941	JUN	30	2.39	MAY	1977	31	7.31
1941	JUL	5	2.01	MAY	1939	28	13.60
1941	AUG	30	1.27	MAY	1975	29	14.10
1941	SEP	24	.60	MAY	1920	31	14.20
1977	MAY	31	7.31	JUN	1941	30	2.35
1977	JUN	28	2.43	JUN	1977	28	2.43
1977	JUL	29	1.04	JUN	1965	27	2.58
1977	AUG	1	1.25	JUN	1973	25	3.40
1977	SEP	12	1.46	JUN	1976	21	3.51
1975	MAY	29	14.10	JUL	1966	31	.56
1975	JUN	30	4.25	JUL	1975	18	.97
1975	JUL	18	.97	JUL	1977	29	1.04
1975	AUG	11	1.32	JUL	1979	24	1.18
1975	SEP	11	1.12	JUL	1964	31	1.25
1969	MAY	31	19.00	AUG	1966	1	.47
1969	JUN	27	2.58	AUG	1964	10	.63
1969	JUL	30	1.25	AUG	1923	24	.91
1969	AUG	1	1.19	AUG	1920	26	.93
1969	SEP	1	2.81	AUG	1933	16	.99
1920	MAY	31	14.20	SEP	1920	9	.43
1920	JUN	26	4.64	SEP	1964	3	.44
1920	JUL	6	4.25	SEP	1960	26	.48
1920	AUG	26	.93	SEP	1919	20	.59
1920	SEP	9	.43	SEP	1941	24	.60

ALPHA= .0271 QO= 10.73

02JD009 MONTREAL RIVER AT MOUNTAIN CHUTES

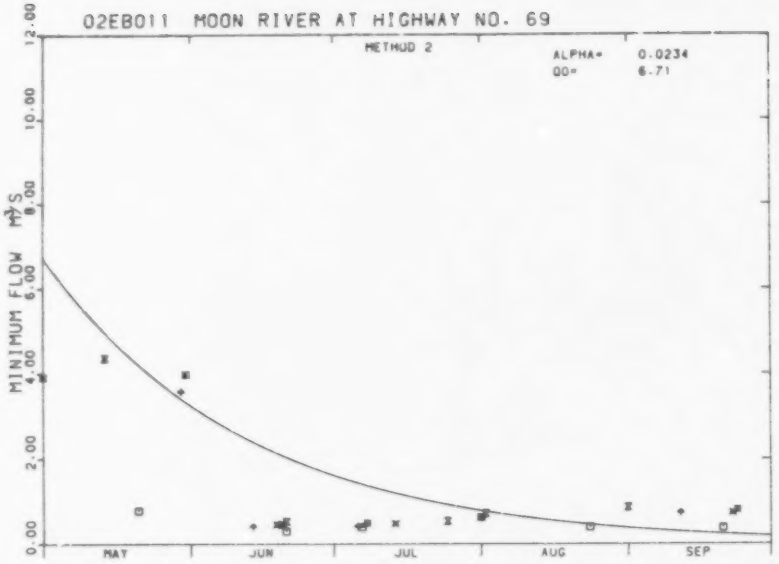
DRAINAGE AREA 4300 SQ KM REGULATED

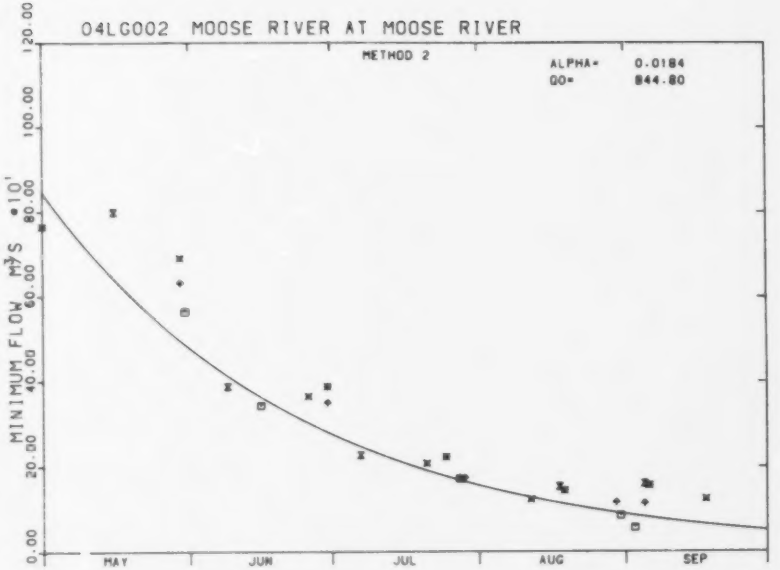
PERIOD OF RECORD 1968-80

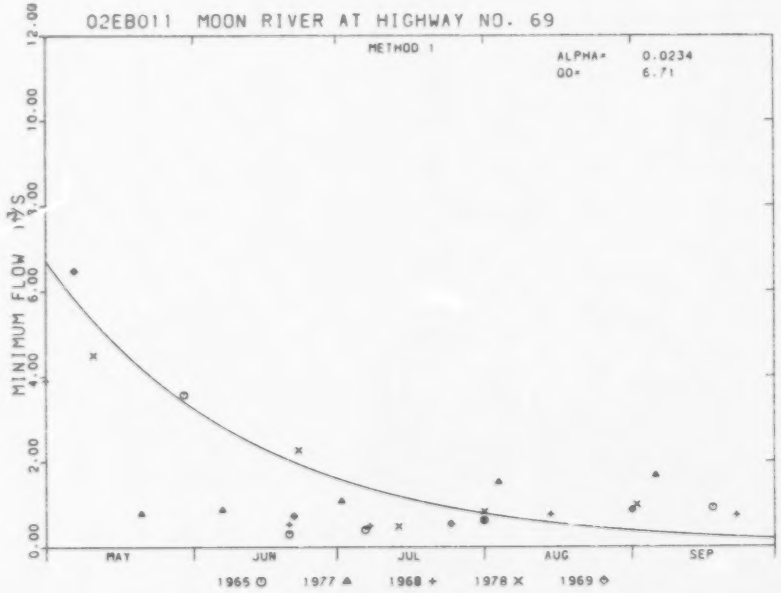
DISCHARGES IN CUBIC METRES PER SECOND

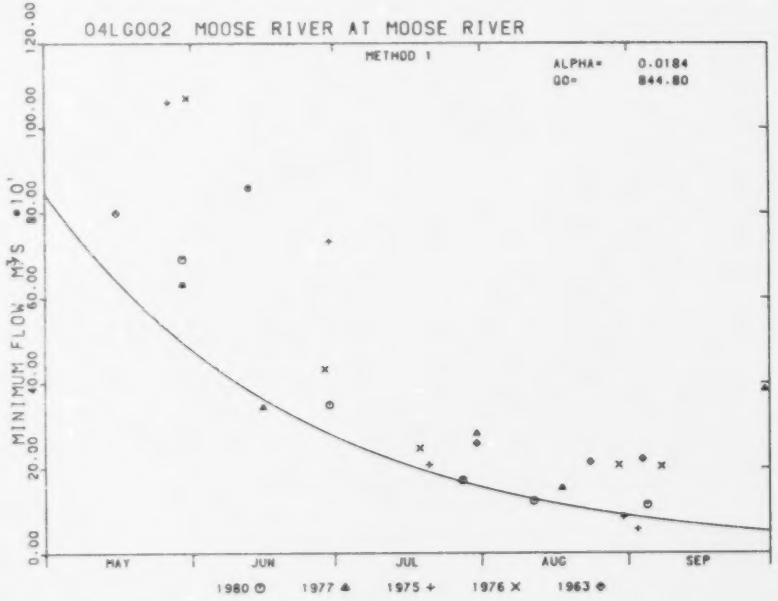
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	37.90	MAY	1977	31	37.90
1977	JUN	16	24.50	MAY	1968	30	54.70
1977	JUL	31	7.22	MAY	1970	30	61.40
1977	AUG	21	5.64	MAY	1980	31	68.30
1977	SEP	2	11.00	MAY	1978	28	72.80
1980	MAY	31	68.30	JUN	1980	29	22.70
1980	JUN	29	22.70	JUN	1976	26	24.40
1980	JUL	28	11.50	JUN	1977	16	24.50
1980	AUG	7	8.69	JUN	1969	24	27.30
1980	SEP	13	11.20	JUN	1970	29	61.60
1969	MAY	31	81.60	JUL	1977	31	7.22
1969	JUN	24	27.30	JUL	1980	28	11.50
1969	JUL	24	17.60	JUL	1975	21	11.90
1969	AUG	25	13.90	JUL	1976	18	12.90
1969	SEP	23	7.22	JUL	1969	24	17.60
1976	MAY	31	109.00	AUG	1976	31	4.90
1976	JUN	26	24.40	AUG	1977	21	5.64
1976	JUL	18	12.90	AUG	1975	23	5.89
1976	AUG	31	4.90	AUG	1980	7	8.69
1976	SEP	2	2.94	AUG	1978	25	13.70
1975	MAY	30	74.50	SEP	1976	2	2.94
1975	JUN	30	58.30	SEP	1975	9	5.38
1975	JUL	21	11.90	SEP	1969	23	7.22
1975	AUG	23	5.89	SEP	1977	2	11.00
1975	SEP	9	5.38	SEP	1980	13	11.20

ALPHA= .0232 QO= 77.96


02EB011 MOON RIVER AT HIGHWAY NO. 69
METHOD 2
ALPHA= 0.0234
QO= 6.71
MINIMUM FLOW M³/S
12.00
10.00
8.00
6.00
4.00
2.00
0.00
MAY
JUN
JUL
AUG
SEP


04LG002 MOOSE RIVER AT MOOSE RIVER
METHOD 2
ALPHA= 0.0184
QO= 844.80
MINIMUM FLOW M³/S •10'
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP


02EB011 MOON RIVER AT HIGHWAY NO. 69
METHOD 1
ALPHA= 0.0234
QO= 6.71
MINIMUM FLOW M³/S
12.00
10.00
8.00
6.00
4.00
2.00
0.00
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1977 ▲ 1968 + 1978 × 1969 ◇


04LG002 MOOSE RIVER AT MOOSE RIVER
METHOD 1
ALPHA= 0.0184
QO= 844.80
MINIMUM FLOW M³/S •10'
120.00
100.00
80.00
60.00
40.00
20.00
0.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1977 ▲ 1975 + 1976 × 1963 ◇

02EB011 MOON RIVER AT HIGHWAY NO. 69

DRAINAGE AREA UNKNOWN REGULATED

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	30	3.57	MAY	1977	21	.78
1966	JUN	21	.30	MAY	1966	30	3.57
1966	JUL	7	.40	MAY	1968	1	3.91
1966	AUG	1	.62	MAY	1979	31	3.98
1966	SEP	18	.91	MAY	1967	14	4.36
1977	MAY	21	.78	JUN	1966	21	.30
1977	JUN	7	.87	JUN	1975	14	.41
1977	JUL	2	1.08	JUN	1972	19	.46
1977	AUG	4	1.52	JUN	1971	20	.46
1977	SEP	6	1.67	JUN	1968	21	.53
1968	MAY	1	3.91	JUL	1966	7	.40
1968	JUN	21	.53	JUL	1972	6	.41
1968	JUL	8	.50	JUL	1978	14	.48
1968	AUG	15	.77	JUL	1968	8	.50
1968	SEP	23	.74	JUL	1969	25	.54
1978	MAY	11	4.50	AUG	1970	24	.40
1978	JUN	23	2.27	AUG	1972	1	.61
1978	JUL	14	.48	AUG	1966	1	.62
1978	AUG	1	.83	AUG	1969	1	.63
1978	SEP	2	.99	AUG	1979	2	.72
1969	MAY	7	6.48	SEP	1970	21	.38
1969	JUN	22	.73	SEP	1972	12	.73
1969	JUL	25	.54	SEP	1968	23	.74
1969	AUG	1	.63	SEP	1974	24	.80
1969	SEP	1	.86	SEP	1969	1	.86

ALPHA= .0234 QO= 6.71

04LG002 MOOSE RIVER AT MOOSE RIVER

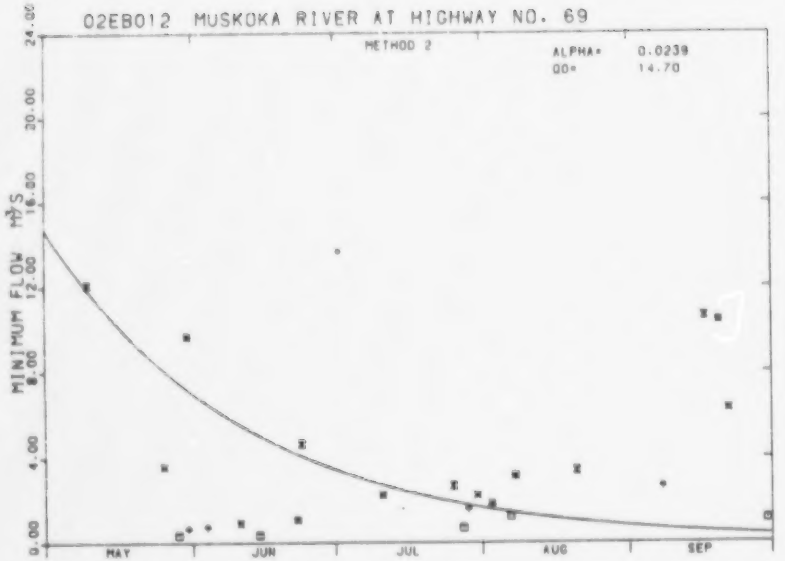
DRAINAGE AREA 61100 SQ KM REGULATED

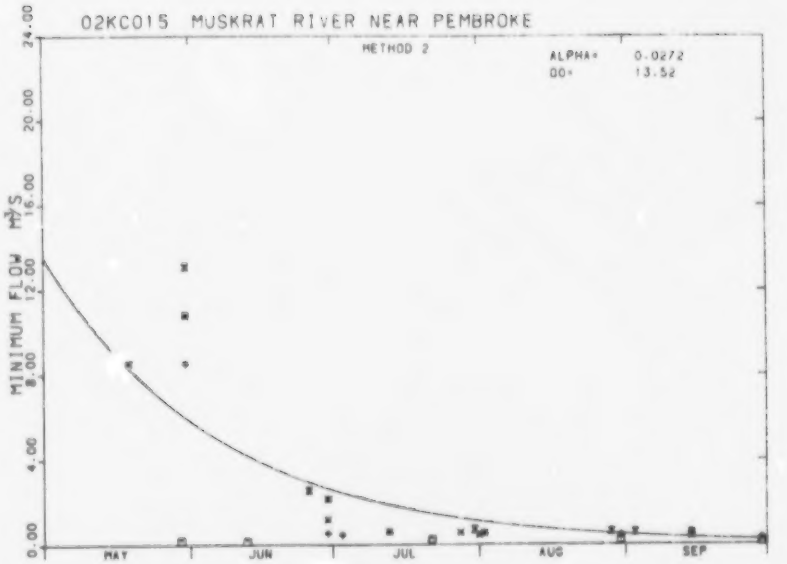
PERIOD OF RECORD 1959-80

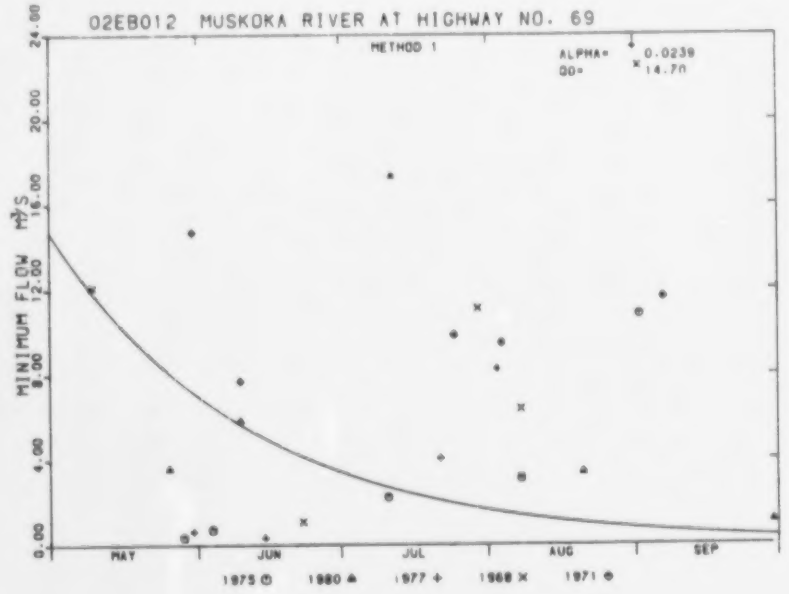
DISCHARGES IN CUBIC METRES PER SECOND

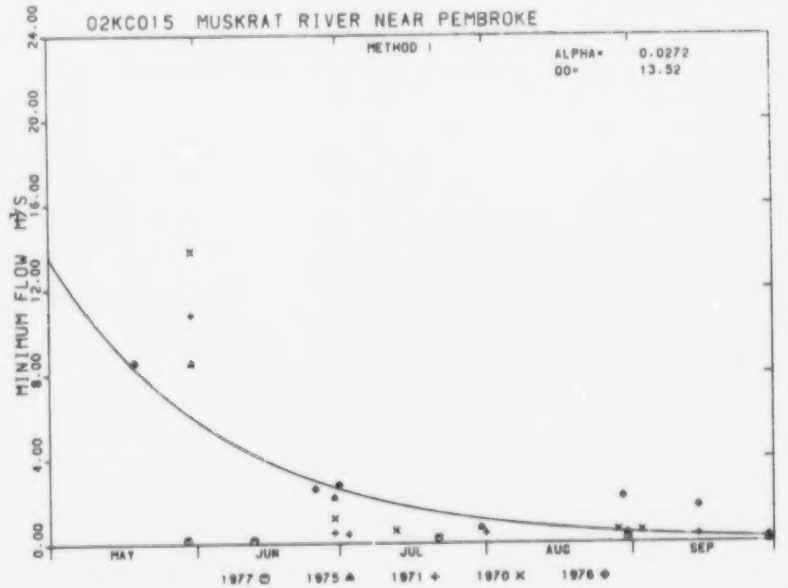
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	30	691.00	MAY	1968	31	564.00
1980	JUN	30	349.00	MAY	1977	30	631.00
1980	JUL	28	172.00	MAY	1980	30	691.00
1980	AUG	12	123.00	MAY	1978	1	765.00
1980	SEP	5	113.00	MAY	1963	16	799.00
1977	MAY	30	631.00	JUN	1977	16	343.00
1977	JUN	16	343.00	JUN	1980	30	349.00
1977	JUL	31	281.00	JUN	1965	26	365.00
1977	AUG	18	153.00	JUN	1962	30	388.00
1977	SEP	30	385.00	JUN	1968	9	388.00
1975	MAY	27	1060.00	JUL	1980	28	172.00
1975	JUN	30	733.00	JUL	1974	29	173.00
1975	JUL	21	208.00	JUL	1975	21	208.00
1975	AUG	31	85.00	JUL	1969	25	223.00
1975	SEP	3	56.60	JUL	1962	7	227.00
1976	MAY	31	1070.00	AUG	1975	31	85.00
1976	JUN	29	433.00	AUG	1971	30	115.00
1976	JUL	19	247.00	AUG	1980	12	123.00
1976	AUG	30	207.00	AUG	1974	19	144.00
1976	SEP	8	204.00	AUG	1977	18	153.00
1963	MAY	16	799.00	SEP	1975	3	56.60
1963	JUN	13	858.00	SEP	1980	5	113.00
1963	JUL	31	258.00	SEP	1967	18	124.00
1963	AUG	24	214.00	SEP	1960	6	136.00
1963	SEP	4	221.00	SEP	1971	5	160.00

ALPHA= .0184 QO= 844.80


02EB012 MUSKOKA RIVER AT HIGHWAY NO. 69
METHOD 2
ALPHA= 0.0239
QO= 14.70
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02KC015 MUSKRAT RIVER NEAR PEMBROKE
METHOD 2
ALPHA= 0.0272
QO= 13.52
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02EB012 MUSKOKA RIVER AT HIGHWAY NO. 69
METHOD 1
ALPHA= 0.0239
QO= 14.70
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1975
1980
1977
1968
1971


02KC015 MUSKRAT RIVER NEAR PEMBROKE
METHOD 1
ALPHA= 0.0272
QO= 13.52
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1977
1975
1971
1970
1976

02EB012 MUSKOKA RIVER AT HIGHWAY NO. 69

DRAINAGE AREA UNKNOWN REGULATED

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	29	.37	MAY	1975	29	.37
1975	JUN	4	.73	MAY	1977	31	.65
1975	JUL	11	2.24	MAY	1980	26	3.38
1975	AUG	8	3.11	MAY	1972	31	9.68
1975	SEP	2	10.80	MAY	1968	10	12.10
1980	MAY	26	3.38	JUN	1977	15	.36
1980	JUN	10	5.83	JUN	1975	4	.73
1980	JUL	12	17.30	JUN	1972	11	.92
1980	AUG	21	3.37	JUN	1968	23	1.09
1980	SEP	30	1.10	JUN	1970	24	4.64
1977	MAY	31	.65	JUL	1973	28	.69
1977	JUN	15	.36	JUL	1978	29	1.36
1977	JUL	22	4.05	JUL	1966	31	2.22
1977	AUG	3	8.24	JUL	1975	11	2.24
1977	SEP	1	23.40	JUL	1979	26	2.65
1968	MAY	10	12.10	AUG	1974	7	1.23
1968	JUN	23	1.09	AUG	1978	3	1.76
1968	JUL	30	11.10	AUG	1966	3	1.83
1968	AUG	8	6.37	AUG	1975	8	3.11
1968	SEP	2	22.90	AUG	1980	21	3.37
1971	MAY	31	14.70	SEP	1980	30	1.10
1971	JUN	10	7.70	SEP	1976	8	2.62
1971	JUL	25	9.83	SEP	1970	22	6.26
1971	AUG	4	9.46	SEP	1966	20	10.40
1971	SEP	7	11.60	SEP	1979	17	10.60

ALPHA= .0239 QO= 14.70

02KC015 MUSKRAT RIVER NEAR PEMBROKE

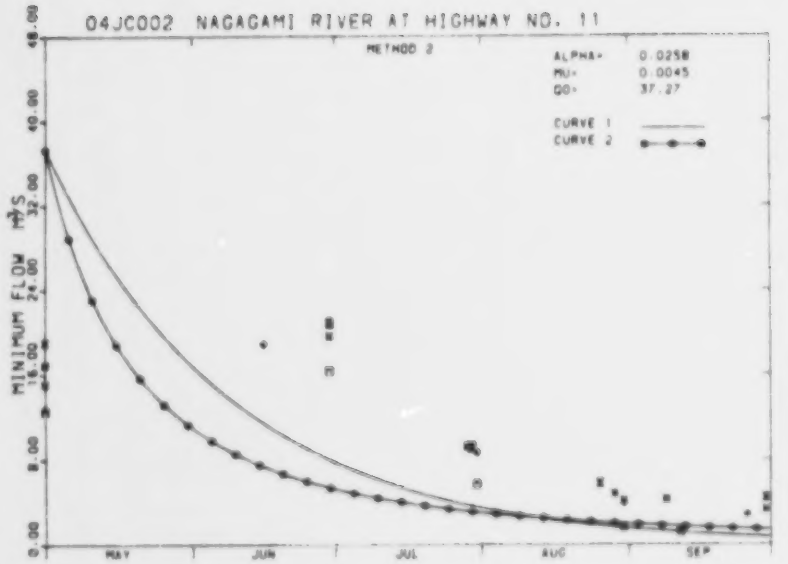
DRAINAGE AREA 668 SQ KM REGULATED

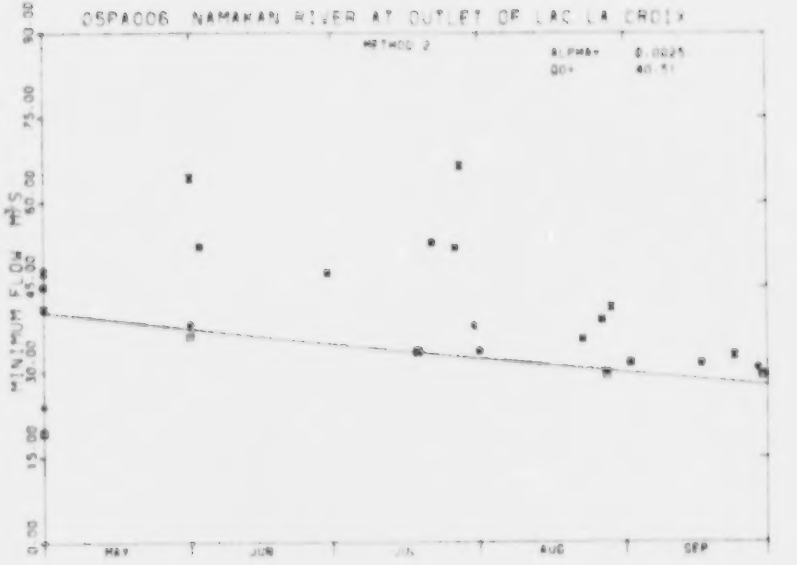
PERIOD OF RECORD 1969-78

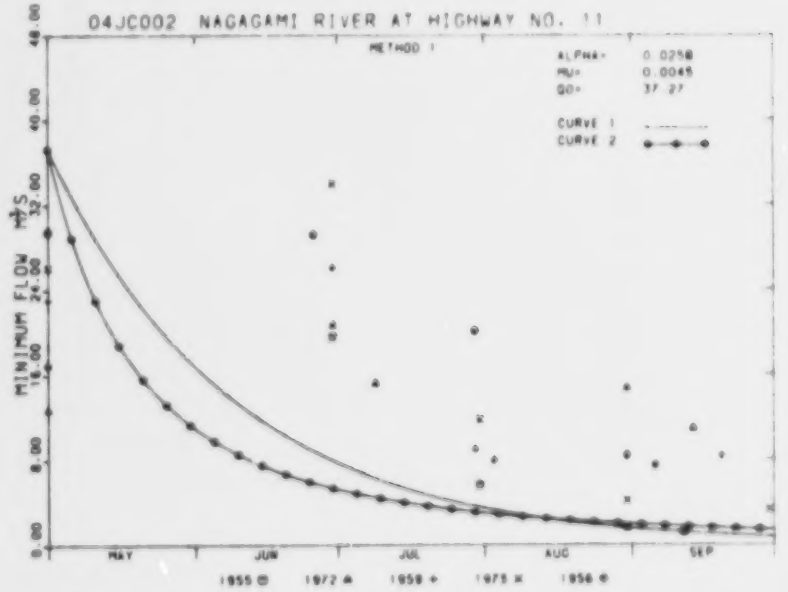
DISCHARGES IN CUBIC METRES PER SECOND

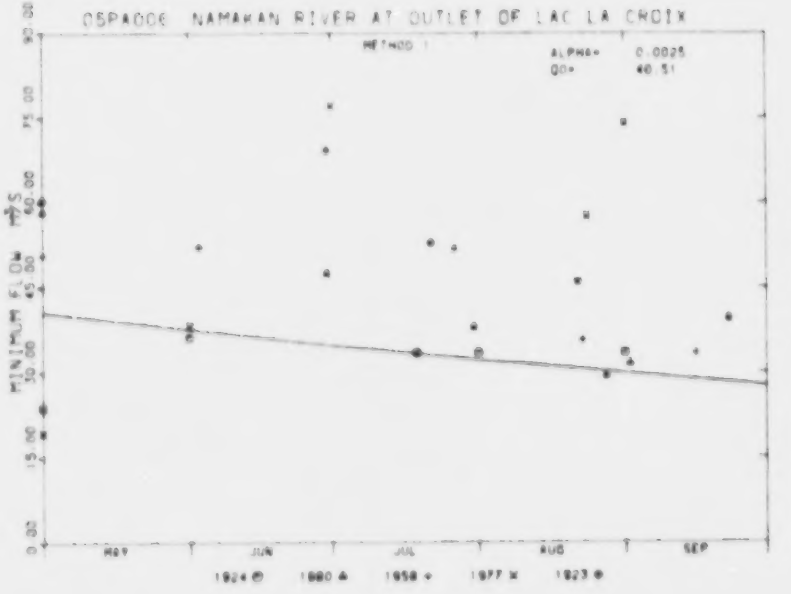
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	30	.20	MAY	1977	30	.20
1977	JUN	13	.16	MAY	1975	31	8.50
1977	JUL	22	.24	MAY	1976	19	8.55
1977	AUG	31	.22	MAY	1971	31	10.80
1977	SEP	30	.12	MAY	1973	31	13.10
1975	MAY	31	8.50	JUN	1977	13	.16
1975	JUN	30	2.15	JUN	1971	30	.92
1975	JUL	31	.72	JUN	1970	30	1.19
1975	AUG	31	.45	JUN	1975	30	2.15
1975	SEP	30	.29	JUN	1976	26	2.57
1971	MAY	31	10.80	JUL	1977	22	.24
1971	JUN	30	.92	JUL	1971	3	.44
1971	JUL	3	.44	JUL	1969	28	.57
1971	AUG	1	.48	JUL	1970	13	.61
1971	SEP	15	.39	JUL	1975	31	.72
1970	MAY	31	13.80	AUG	1977	31	.22
1970	JUN	30	1.19	AUG	1975	31	.45
1970	JUL	13	.61	AUG	1971	1	.48
1970	AUG	29	.61	AUG	1969	2	.54
1970	SEP	3	.38	AUG	1970	29	.61
1976	MAY	19	8.55	SEP	1977	30	.12
1976	JUN	26	2.57	SEP	1975	30	.29
1976	JUL	1	2.76	SEP	1971	15	.39
1976	AUG	30	2.18	SEP	1969	19	.57
1976	SEP	15	1.73	SEP	1970	3	.38

ALPHA= .0272 QO= 13.52


04JC002 NAGAGAMI RIVER AT HIGHWAY NO. 11
METHOD 2
ALPHA= 0.0258
MU= 0.0045
QO= 37.27
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


05PA006 NAMAKAN RIVER AT OUTLET OF LAC LA CROIX
METHOD 2
ALPHA= 0.0025
QO= 40.51
MINIMUM FLOW M³/S
0.00
15.00
30.00
45.00
60.00
75.00
90.00
MAY
JUN
JUL
AUG
SEP


04JC002 NAGAGAMI RIVER AT HIGHWAY NO. 11
METHOD 1
ALPHA= 0.0258
MU= 0.0045
QO= 37.27
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1955 ⊕ 1972 ▲ 1958 + 1975 × 1956 ⊗


05PA006 NAMAKAN RIVER AT OUTLET OF LAC LA CROIX
METHOD 1
ALPHA= 0.0025
QO= 40.51
MINIMUM FLOW M³/S
0.00
15.00
30.00
45.00
60.00
75.00
90.00
MAY
JUN
JUL
AUG
SEP
1924 ⊕ 1980 ▲ 1958 + 1977 × 1923 ⊗

04JC002 NAGAGAMI RIVER AT HIGHWAY NO. 11

DRAINAGE AREA 2410 SQ KM NATURAL FLOW

PERIOD OF RECORD 1958-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1959	MAY	1	29.50	MAY	1978	1	12.90
1959	JUN	30	19.60	MAY	1972	1	12.70
1959	JUL	31	9.69	MAY	1962	1	15.10
1959	AUG	31	1.70	MAY	1956	1	16.90
1959	SEP	12	1.19	MAY	1974	1	19.00
1972	MAY	1	12.70	JUN	1980	30	16.30
1972	JUN	30	28.70	JUN	1977	16	18.80
1972	JUL	9	19.20	JUN	1959	30	19.60
1972	AUG	31	14.70	JUN	1972	30	20.70
1972	SEP	14	10.90	JUN	1970	30	20.90
1959	MAY	1	23.10	JUL	1959	31	9.69
1959	JUN	30	26.10	JUL	1963	31	8.58
1959	JUL	30	9.00	JUL	1959	30	9.00
1959	AUG	3	7.96	JUL	1951	29	9.23
1959	SEP	20	8.23	JUL	1979	30	9.24
1979	MAY	1	26.10	AUG	1959	31	1.70
1979	JUN	30	34.00	AUG	1951	31	3.00
1979	JUL	31	11.00	AUG	1975	31	4.19
1979	AUG	31	4.19	AUG	1970	29	4.81
1979	SEP	30	3.31	AUG	1965	26	5.78
1956	MAY	1	16.90	SEP	1959	12	1.19
1956	JUN	26	29.20	SEP	1951	26	2.75
1956	JUL	30	20.10	SEP	1979	30	3.31
1956	AUG	31	8.38	SEP	1953	9	4.28
1956	SEP	6	7.45	SEP	1978	30	4.42

ALPHA= .0298 MU= .8845 SD= 37.27

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	68731.1	38248.0	14261.0	6413.4	2822.9	122476.7	9.08
CURVE 2	54149.2	19789.9	10714.7	6956.4	4309.3	93429.9	3.96

05PA10 NAHANNI RIVER AT OUTLET OF LAC LA CROIX

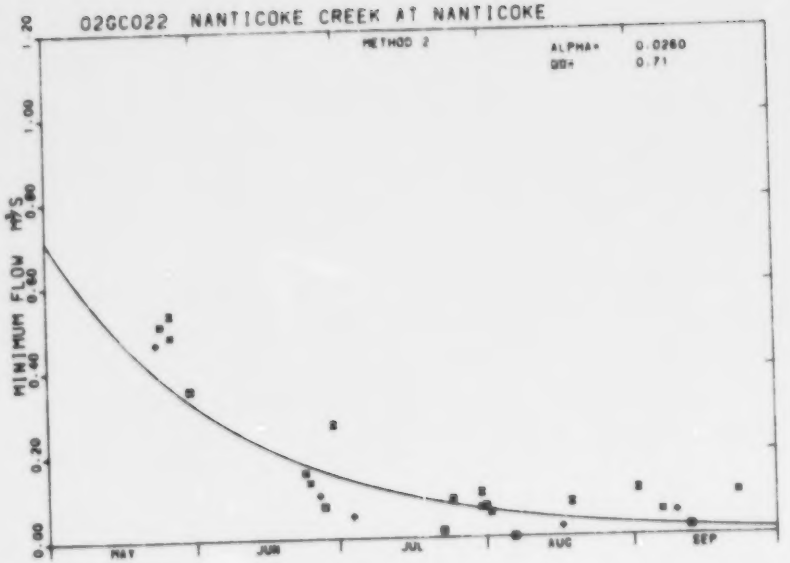
DRAINAGE AREA 13400 SQ KM NATURAL FLOW

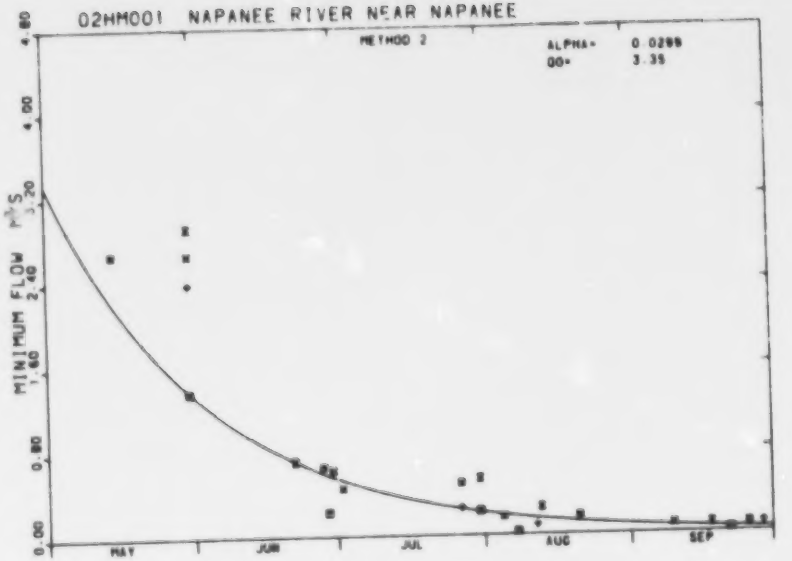
PERIOD OF RECORD 1921-80

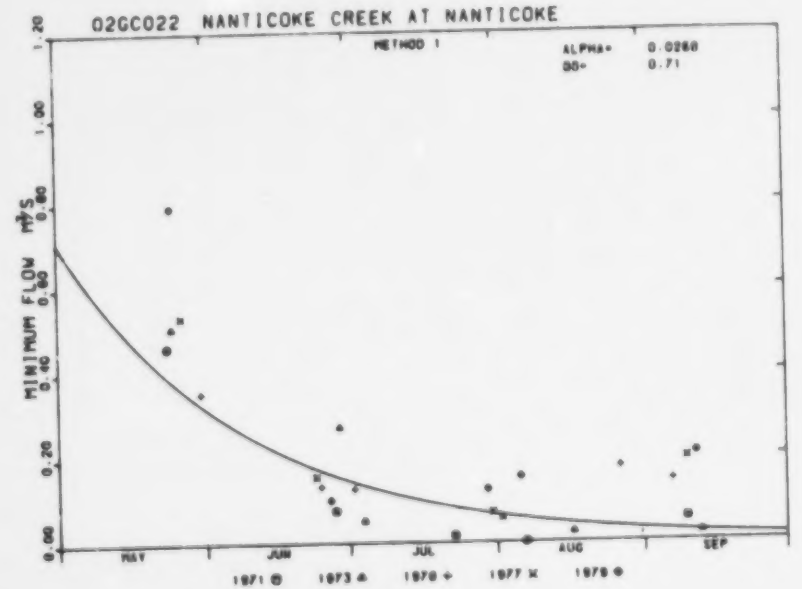
DISCHARGES IN CUBIC METRES PER SECOND

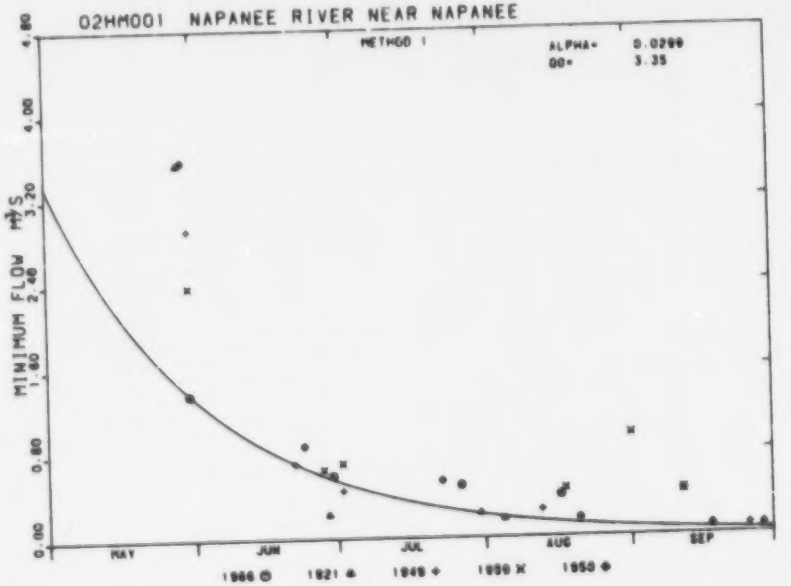
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1924	MAY	1	23.80	MAY	1977	1	19.30
1924	JUN	1	36.20	MAY	1924	1	23.80
1924	JUL	19	33.40	MAY	1959	1	41.10
1924	AUG	1	33.40	MAY	1928	1	45.00
1924	SEP	1	33.40	MAY	1930	1	47.60
1980	MAY	1	58.30	JUN	1924	1	36.20
1980	JUN	30	47.40	JUN	1977	1	38.20
1980	JUL	31	37.90	JUN	1980	30	47.40
1980	AUG	28	29.30	JUN	1958	3	52.10
1980	SEP	2	31.50	JUN	1931	1	64.30
1958	MAY	1	50.70	JUL	1924	19	33.40
1958	JUN	1	52.10	JUL	1980	31	37.90
1958	JUL	27	51.80	JUL	1958	27	51.80
1958	AUG	23	35.70	JUL	1923	22	52.70
1958	SEP	16	43.40	JUL	1929	28	66.30
1977	MAY	1	19.30	AUG	1980	28	29.30
1977	JUN	1	38.20	AUG	1924	1	33.40
1977	JUL	1	77.00	AUG	1958	23	35.70
1977	AUG	24	57.50	AUG	1936	27	39.10
1977	SEP	1	73.90	AUG	1933	29	41.30
1923	MAY	1	60.30	SEP	1976	30	29.40
1923	JUN	30	69.10	SEP	1936	29	30.60
1923	JUL	22	52.70	SEP	1959	17	31.40
1923	AUG	22	45.90	SEP	1980	2	31.50
1923	SEP	23	39.40	SEP	1929	24	32.80

ALPHA= .0029 MU= 40.91


02GC022 NANTICOKE CREEK AT NANTICOKE
METHOD 2
ALPHA= 0.0260
BB= 0.71
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


02HM001 NAPANEE RIVER NEAR NAPANEE
METHOD 2
ALPHA= 0.0299
BB= 3.35
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP


02GC022 NANTICOKE CREEK AT NANTICOKE
METHOD 1
ALPHA= 0.0260
BB= 0.71
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1971
1973
1975
1977
1979


02HM001 NAPANEE RIVER NEAR NAPANEE
METHOD 1
ALPHA= 0.0299
BB= 3.35
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP
1966
1921
1949
1959
1950

02GC022 NANTICOKE CREEK AT NANTICOKE

DRAINAGE AREA 181 SQ KM REGULATED

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	24	.462	MAY	1970	31	.354
1971	JUN	28	.076	MAY	1971	24	.462
1971	JUL	23	.010	MAY	1975	27	.481
1971	AUG	7	0.000	MAY	1973	25	.907
1971	SEP	10	.094	MAY	1977	27	.532
1973	MAY	25	.907	JUN	1971	28	.076
1973	JUN	29	.272	JUN	1979	27	.101
1973	JUL	4	.051	JUN	1970	25	.133
1973	AUG	17	.022	JUN	1977	24	.156
1973	SEP	13	.021	JUN	1978	30	.269
1970	MAY	31	.354	JUL	1971	23	.016
1970	JUN	25	.133	JUL	1973	4	.051
1970	JUL	2	.127	JUL	1977	31	.071
1970	AUG	27	.176	JUL	1978	25	.091
1970	SEP	7	.144	JUL	1975	31	.105
1977	MAY	27	.532	AUG	1971	7	0.000
1977	JUN	24	.156	AUG	1973	17	.022
1977	JUL	31	.071	AUG	1977	2	.057
1977	AUG	2	.057	AUG	1975	1	.074
1977	SEP	10	.195	AUG	1980	19	.080
1979	MAY	25	.791	SEP	1973	13	.021
1979	JUN	27	.101	SEP	1971	10	.054
1979	JUL	30	.124	SEP	1978	7	.059
1979	AUG	6	.153	SEP	1972	23	.102
1979	SEP	12	.207	SEP	1974	2	.110

ALPHA= .0260 BB= .71

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.606	.211	.172	.029	.064

02HH001 NAPANEE RIVER NEAR NAPANEE

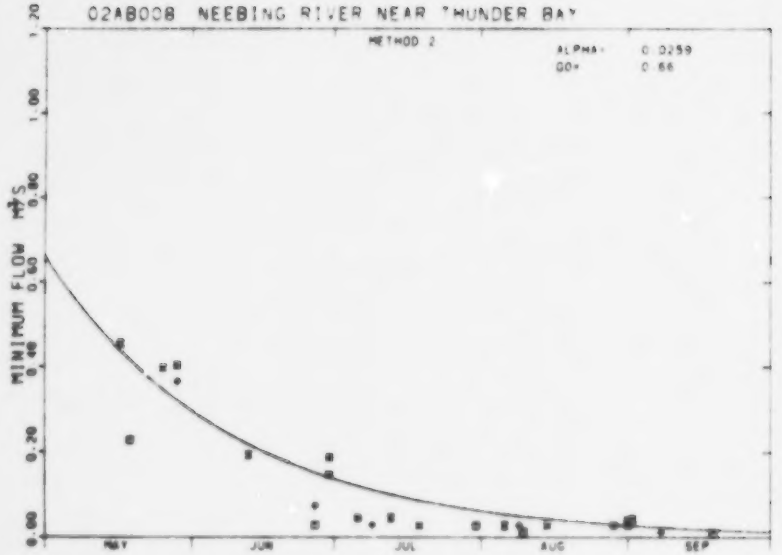
DRAINAGE AREA 777 SQ KM REGULATED

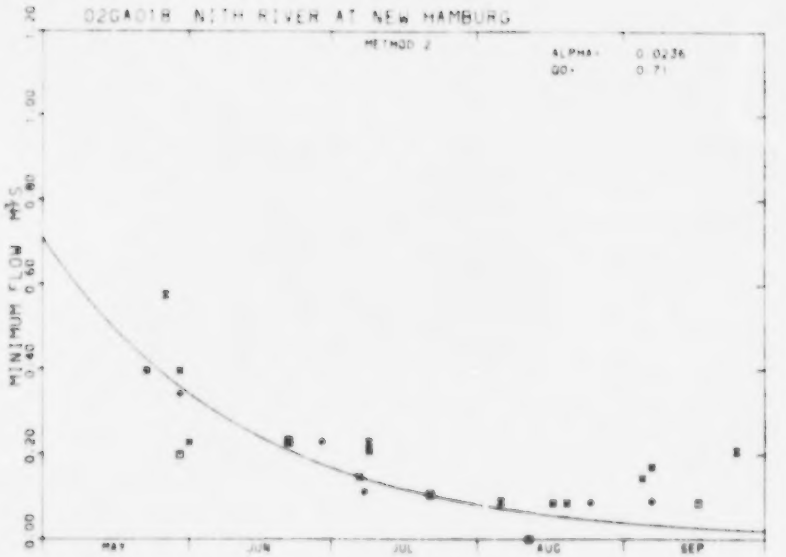
PERIOD OF RECORD 1919-74

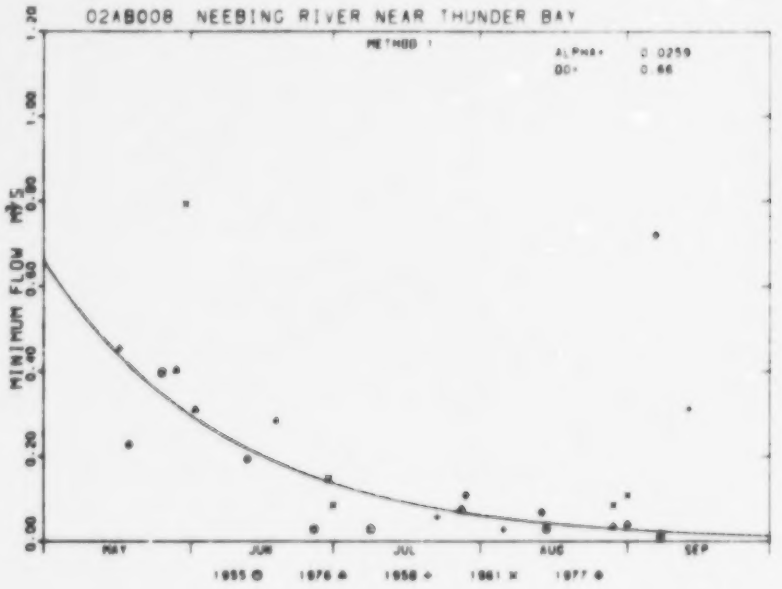
DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	31	1.36	MAY	1966	31	1.36
1966	JUN	30	.60	MAY	1959	31	2.38
1966	JUL	27	.49	MAY	1965	31	2.66
1966	AUG	17	.39	MAY	1968	19	2.67
1966	SEP	12	.42	MAY	1949	31	2.92
1921	MAY	29	3.54	JUN	1921	29	.23
1921	JUN	29	.23	JUN	1966	30	.60
1921	JUL	31	.23	JUN	1964	30	.62
1921	AUG	5	.17	JUN	1959	28	.65
1921	SEP	29	.09	JUN	1949	22	.71
1949	MAY	31	2.92	JUL	1921	31	.23
1949	JUN	22	.71	JUL	1948	27	.26
1949	JUL	2	.45	JUL	1949	2	.45
1949	AUG	13	.26	JUL	1966	27	.49
1949	SEP	26	.69	JUL	1964	31	.54
1959	MAY	31	2.38	AUG	1948	8	.03
1959	JUN	28	.65	AUG	1959	12	.09
1959	JUL	2	.71	AUG	1921	5	.17
1959	AUG	18	.45	AUG	1950	21	.17
1959	SEP	1	.96	AUG	1949	13	.26
1950	MAY	30	3.57	SEP	1920	22	.03
1950	JUN	24	.88	SEP	1921	29	.09
1950	JUL	23	.54	SEP	1922	10	.09
1950	AUG	21	.17	SEP	1949	26	.09
1950	SEP	18	.09	SEP	1950	18	.09

ALPHA= .0299 BB= 3.35


02AB008 NEEBING RIVER NEAR THUNDER BAY
METHOD 2
ALPHA= 0.0259
QO= 0.66
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GA018 NITH RIVER AT NEW HAMBURG
METHOD 2
ALPHA= 0.0236
QO= 0.71
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02AB008 NEEBING RIVER NEAR THUNDER BAY
METHOD 1
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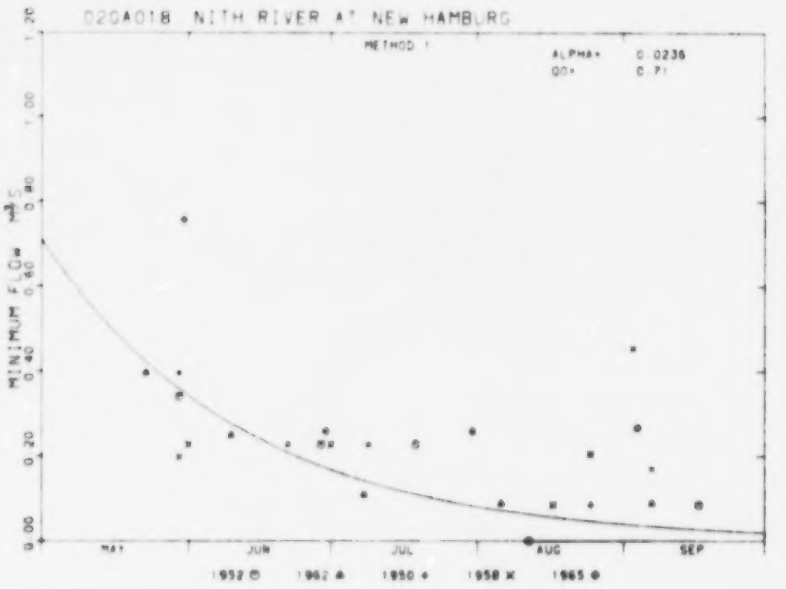
QO= 0.66
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1955 1976 1958 1961 1977


02GA018 NITH RIVER AT NEW HAMBURG
METHOD 1
ALPHA= 0.0236
QO= 0.71
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1952 1962 1950 1958 1965

02AB006 NEEBIN RIVER NEAR THUNDER BAY

DRAINAGE AREA 1[illegible]7 SQ KM NATURAL FLOW

PERIOD OF RECORD 1942-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1959	MAY	26	.396	MAY	1977	19	.227
1959	JUN	27	.028	MAY	1980	29	.383
1959	JUL	9	.028	MAY	1959	26	.396
1959	AUG	13	.028	MAY	1976	29	.402
1959	SEP	8	.011	MAY	1958	17	.453
1976	MAY	29	.402	JUN	1959	27	.028
1976	JUN	2	.309	JUN	1980	27	.073
1976	JUL	28	.076	JUN	1961	30	.147
1976	AUG	29	.034	JUN	1966	26	.187
1976	SEP	1	.040	JUN	1977	13	.193
1958	MAY	17	.453	JUL	1954	31	.028
1958	JUN	19	.283	JUL	1959	9	.028
1958	JUL	23	.057	JUL	1957	19	.028
1958	AUG	6	.028	JUL	1979	6	.049
1958	SEP	14	.311	JUL	1980	13	.046
1961	MAY	31	.793	AUG	1979	10	.013
1961	JUN	30	.147	AUG	1954	9	.028
1961	JUL	1	.089	AUG	1959	15	.028
1961	AUG	29	.089	AUG	1957	29	.028
1961	SEP	1	.108	AUG	1958	6	.028
1977	MAY	19	.227	SEP	1979	19	.008
1977	JUN	13	.193	SEP	1959	8	.011
1977	JUL	29	.108	SEP	1957	1	.028
1977	AUG	14	.060	SEP	1976	1	.040
1977	SEP	7	.719	SEP	1978	2	.042

ALPHA= .0259 BB= .66

02GA018 NITH RIVER AT NEW HAMBURG

DRAINAGE AREA 392 SQ KM NATURAL FLOW

PERIOD OF RECORD 1950-80

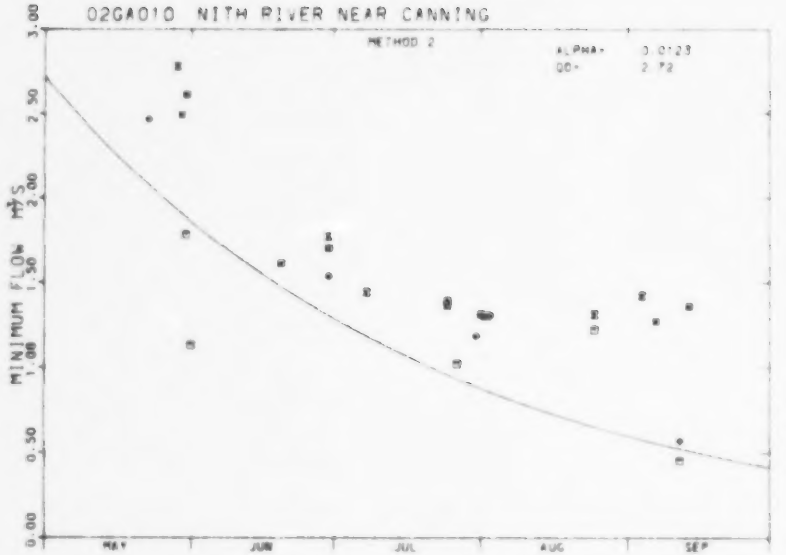
DISCHARGES IN CUBIC METRES PER SECOND

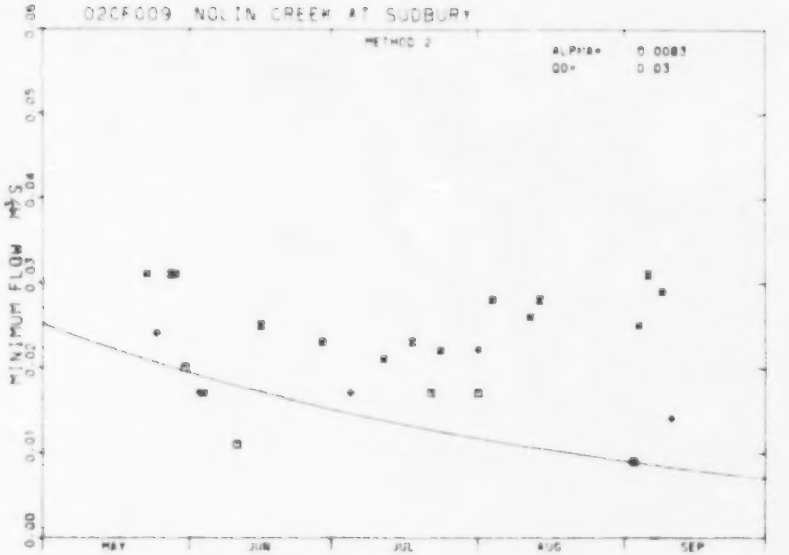
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1952	MAY	30	.340	MAY	1958	30	.198
1952	JUN	29	.227	MAY	1952	30	.340
1952	JUL	19	.227	MAY	1950	30	.396
1952	AUG	12	0.000	MAY	1962	23	.396
1952	SEP	17	.085	MAY	1972	27	.575
1962	MAY	23	.396	JUN	1950	22	.227
1962	JUN	10	.249	JUN	1952	29	.227
1962	JUL	9	.110	JUN	1958	1	.227
1962	AUG	6	.088	JUN	1973	22	.227
1962	SEP	7	.088	JUN	1968	22	.232
1950	MAY	30	.396	JUL	1966	22	.105
1950	JUN	22	.227	JUL	1962	8	.110
1950	JUL	9	.227	JUL	1964	7	.147
1950	AUG	29	.085	JUL	1963	9	.207
1950	SEP	7	.170	JUL	1950	9	.227
1958	MAY	30	.198	AUG	1952	12	0.000
1958	JUN	1	.227	AUG	1950	25	.085
1958	JUL	1	.227	AUG	1953	20	.085
1958	AUG	17	.085	AUG	1958	17	.085
1958	SEP	3	.453	AUG	1962	6	.088
1965	MAY	31	.736	SEP	1952	17	.085
1965	JUN	30	.258	SEP	1962	7	.088
1965	JUL	31	.258	SEP	1960	9	.144
1965	AUG	25	.204	SEP	1950	7	.170
1965	SEP	4	.266	SEP	1963	25	.207

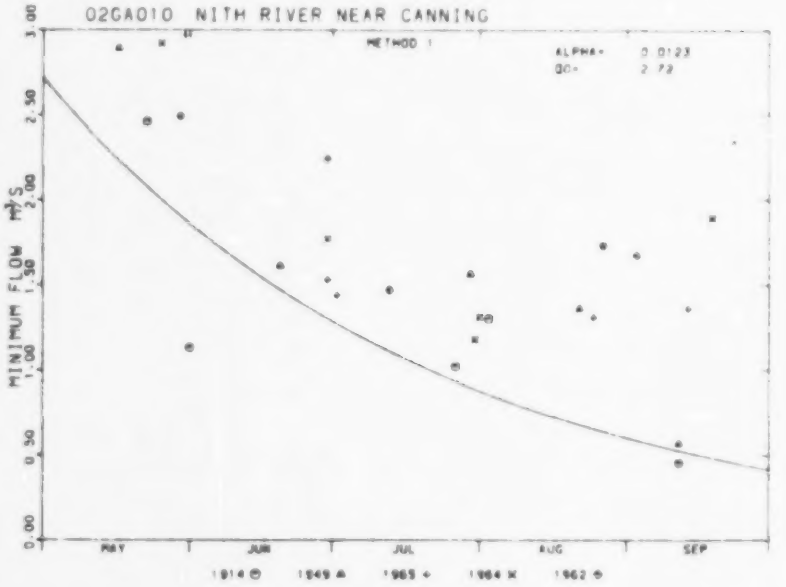
ALPHA= .0236 BB= .71

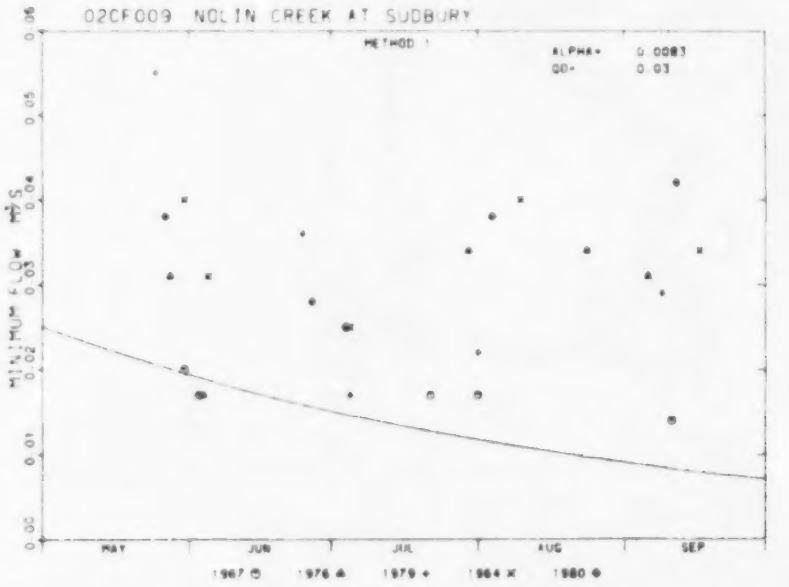
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.039	.448	.264	.301	.244


02GA010 NITH RIVER NEAR CANNING
METHOD 2
ALPHA= 0.0123
QO= 2.72
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP


02CF009 NOLIN CREEK AT SUDBURY
METHOD 2
ALPHA= 0.0083
QO= 0.03
MINIMUM FLOW M³/S
0.06
0.05
0.04
0.03
0.02
0.01
0.00
MAY
JUN
JUL
AUG
SEP


02GA010 NITH RIVER NEAR CANNING
METHOD 1
ALPHA= 0.0123
QO= 2.72
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP
1914
1949
1965
1984
1962


02CF009 NOLIN CREEK AT SUDBURY
METHOD 1
ALPHA= 0.0083
QO= 0.03
MINIMUM FLOW M³/S
0.06
0.05
0.04
0.03
0.02
0.01
0.00
MAY
JUN
JUL
AUG
SEP
1967
1976
1979
1984
1980

02GA010 NITH RIVER NEAR CANNING

DRAINAGE AREA 1030 SQ KM NATURAL FLOW

PERIOD OF RECORD 1915-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1914	MAY	23	2.46	MAY	1922	31	1.78
1914	JUN	1	1.13	MAY	1914	23	2.46
1914	JUL	27	1.02	MAY	1962	30	2.49
1914	AUG	3	1.30	MAY	1958	31	2.61
1914	SEP	12	.43	MAY	1915	29	2.78
1949	MAY	17	2.89	JUN	1914	1	1.13
1949	JUN	28	1.61	JUN	1965	30	1.93
1949	JUL	30	1.56	JUN	1949	28	1.61
1949	AUG	22	1.36	JUN	1915	30	1.70
1949	SEP	12	.97	JUN	1964	30	1.77
1965	MAY	31	2.97	JUL	1914	27	1.02
1965	JUN	30	1.93	JUL	1964	31	1.18
1965	JUL	2	1.44	JUL	1953	29	1.36
1965	AUG	29	1.31	JUL	1966	29	1.39
1965	SEP	14	1.36	JUL	1963	8	1.44
1964	MAY	26	2.92	AUG	1921	29	1.22
1964	JUN	30	1.77	AUG	1914	3	1.30
1964	JUL	31	1.18	AUG	1959	2	1.30
1964	AUG	1	1.31	AUG	1964	1	1.31
1964	SEP	19	1.89	AUG	1965	25	1.31
1962	MAY	30	2.49	SEP	1914	12	.45
1962	JUN	30	2.24	SEP	1949	12	.97
1962	JUL	13	1.47	SEP	1948	7	1.27
1962	AUG	27	1.73	SEP	1969	14	1.36
1962	SEP	3	1.67	SEP	1951	4	1.42

ALPHA= .0123 QO= 2.72

02CF009 MOLIN CREEK AT SUDBURY

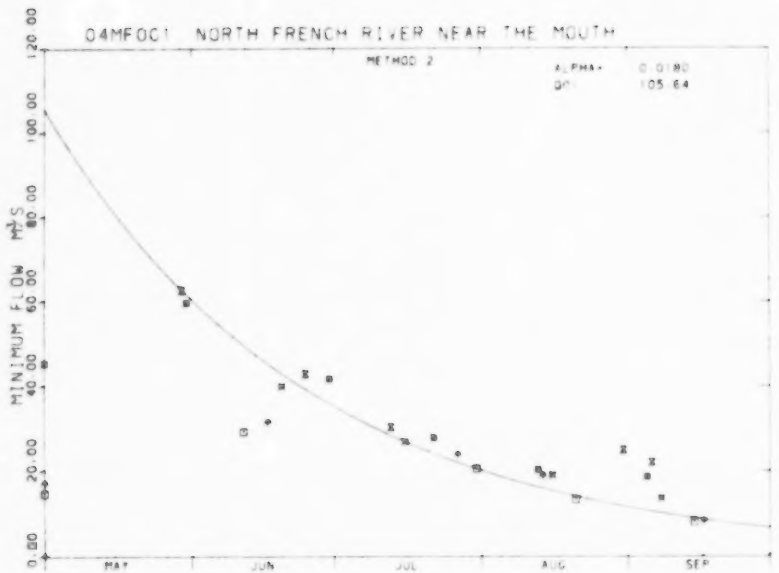
DRAINAGE AREA 21.9 SQ KM REGULATED

PERIOD OF RECORD 1959-72

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1967	MAY	31	.020	MAY	1967	31	.020
1967	JUN	3	.017	MAY	1975	25	.024
1967	JUL	22	.017	MAY	1965	23	.031
1967	AUG	1	.017	MAY	1968	29	.031
1967	SEP	11	.014	MAY	1976	28	.031
1976	MAY	28	.031	JUN	1977	11	.011
1976	JUN	4	.017	JUN	1967	3	.017
1976	JUL	30	.034	JUN	1976	4	.017
1976	AUG	24	.034	JUN	1970	29	.028
1976	SEP	8	.031	JUN	1962	16	.029
1979	MAY	29	.059	JUL	1967	22	.017
1979	JUN	29	.036	JUL	1979	5	.017
1979	JUL	5	.017	JUL	1971	12	.021
1979	AUG	1	.022	JUL	1973	24	.022
1979	SEP	9	.029	JUL	1975	10	.023
1964	MAY	31	.040	AUG	1967	1	.017
1964	JUN	5	.031	AUG	1979	1	.022
1964	JUL	5	.025	AUG	1978	12	.026
1964	AUG	10	.040	AUG	1965	4	.020
1964	SEP	17	.034	AUG	1974	14	.020
1980	MAY	27	.038	SEP	1975	3	.009
1980	JUN	27	.028	SEP	1967	11	.014
1980	JUL	4	.025	SEP	1969	4	.025
1980	AUG	4	.038	SEP	1979	9	.029
1980	SEP	12	.042	SEP	1976	6	.031

ALPHA= .0083 QO= .03


04MF001 NORTH FRENCH RIVER NEAR THE MOUTH
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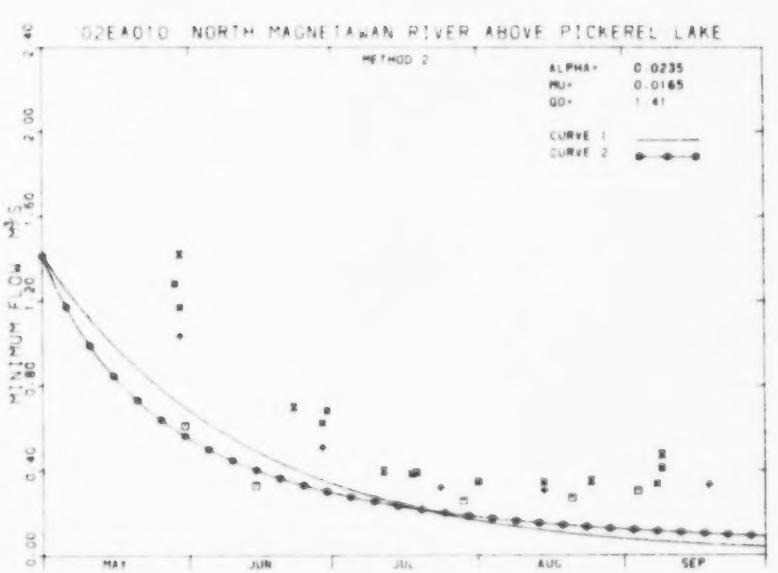
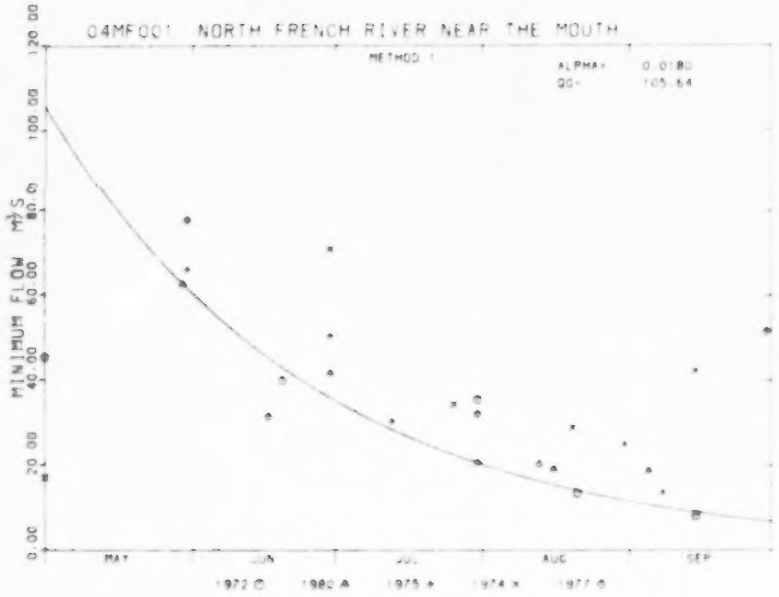
ALPHA= 0.0180
QO= 105.64
MINIMUM FLOW M3/S
MAY
JUN
JUL
AUG
SEP


02EA010 NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE
METHOD 2
ALPHA= 0.0235
MU= 0.0165
QO= 1.41
CURVE 1
CURVE 2
MINIMUM FLOW M3/S
MAY
JUN
JUL
AUG
SEP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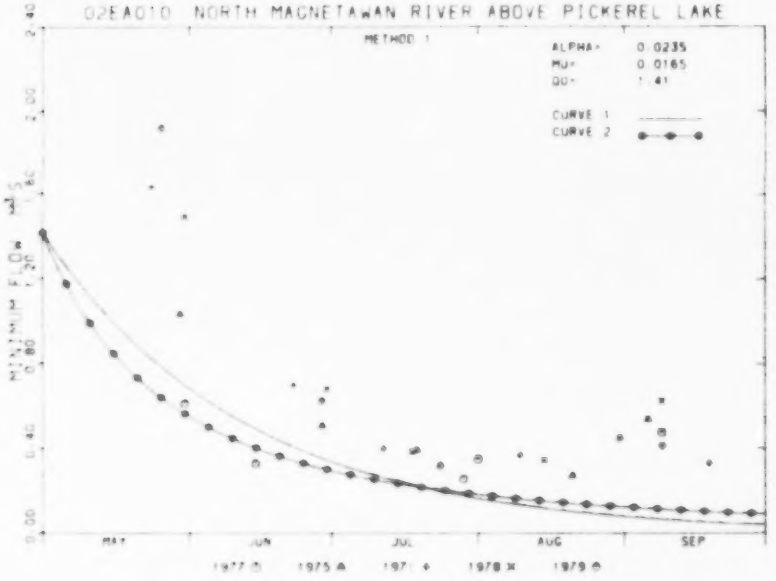
METHOD 1
ALPHA= 0.0180
QO= 105.64
MINIMUM FLOW M3/S
MAY
JUN
JUL
AUG
SEP
1972 1980 1975 1974 1977


02EA010 NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE
METHOD 1
ALPHA= 0.0235
MU= 0.0165
QO= 1.41
CURVE 1
CURVE 2
MINIMUM FLOW M3/S
MAY
JUN
JUL
AUG
SEP
1977 1975 1971 1978 1979

04MF001 NORTH FRENCH RIVER NEAR THE MOUTH

DRAINAGE AREA 6680 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	1	45.30	MAY	1978	1	14.70
1972	JUN	20	39.90	MAY	1974	1	17.00
1972	JUL	31	35.40	MAY	1972	1	45.30
1972	AUG	21	13.30	MAY	1968	31	59.50
1972	SEP	15	8.01	MAY	1980	30	62.50
1980	MAY	30	62.90	JUN	1968	12	29.20
1980	JUN	30	41.60	JUN	1977	17	31.40
1980	JUL	31	20.50	JUN	1972	20	39.90
1980	AUG	16	19.00	JUN	1980	30	41.60
1980	SEP	9	10.60	JUN	1973	25	42.80
1975	MAY	31	66.00	JUL	1980	31	20.50
1975	JUN	30	50.40	JUL	1973	27	23.80
1975	JUL	13	30.30	JUL	1970	16	26.90
1975	AUG	31	24.90	JUL	1979	22	27.80
1975	SEP	8	13.60	JUL	1975	13	30.30
1974	MAY	1	17.00	AUG	1972	21	13.30
1974	JUN	30	70.80	AUG	1970	14	10.80
1974	JUL	26	34.30	AUG	1980	16	19.00
1974	AUG	20	20.90	AUG	1977	13	20.30
1974	SEP	15	42.20	AUG	1975	31	24.90
1977	MAY	31	77.60	SEP	1972	15	8.01
1977	JUN	17	31.40	SEP	1967	17	8.21
1977	JUL	31	32.00	SEP	1975	8	13.60
1977	AUG	13	20.30	SEP	1980	5	18.60
1977	SEP	30	51.90	SEP	1973	6	22.00

ALPHA= .0180 QO= 105.04

02EA010 NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE

DRAINAGE AREA 149 SQ KM NATURAL FLOW

PERIOD OF RECORD 1968-80

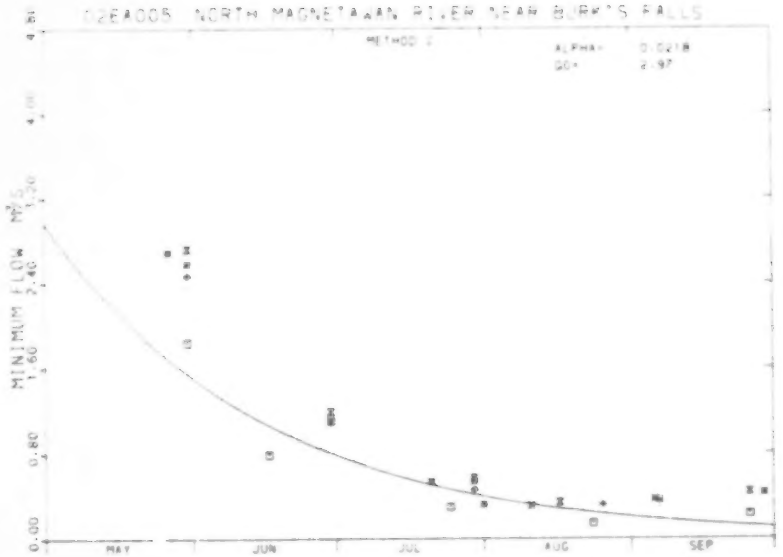
DISCHARGES IN CUBIC METRES PER SECOND

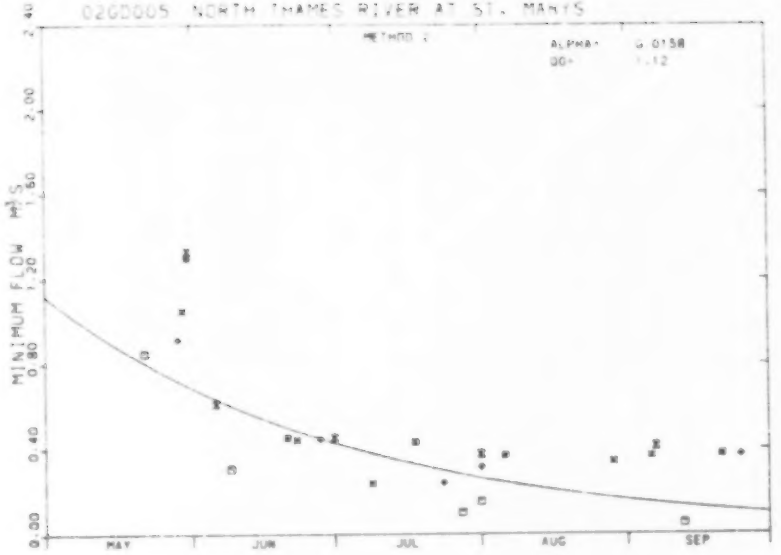
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.61	MAY	1977	31	.61
1977	JUN	15	.33	MAY	1975	30	1.03
1977	JUL	29	.26	MAY	1980	30	1.17
1977	AUG	1	.35	MAY	1972	29	1.28
1977	SEP	9	.47	MAY	1970	30	1.42
1975	MAY	30	1.03	JUN	1977	15	.33
1975	JUN	29	.50	JUN	1975	29	.50
1975	JUL	19	.39	JUN	1979	29	.62
1975	AUG	21	.27	JUN	1978	30	.68
1975	SEP	6	.54	JUN	1971	23	.70
1971	MAY	24	1.63	JUL	1977	29	.26
1971	JUN	23	.70	JUL	1979	24	.31
1971	JUL	12	.40	JUL	1978	18	.38
1971	AUG	10	.37	JUL	1973	19	.39
1971	SEP	19	.33	JUL	1971	12	.40
1978	MAY	31	1.49	AUG	1975	21	.27
1978	JUN	30	.68	AUG	1970	15	.30
1978	JUL	18	.38	AUG	1978	15	.34
1978	AUG	15	.34	AUG	1977	1	.35
1978	SEP	9	.62	AUG	1976	29	.35
1979	MAY	26	1.92	SEP	1969	4	.30
1979	JUN	29	.62	SEP	1971	19	.33
1979	JUL	24	.31	SEP	1974	8	.34
1979	AUG	31	.45	SEP	1979	9	.41
1979	SEP	9	.41	SEP	1977	9	.47

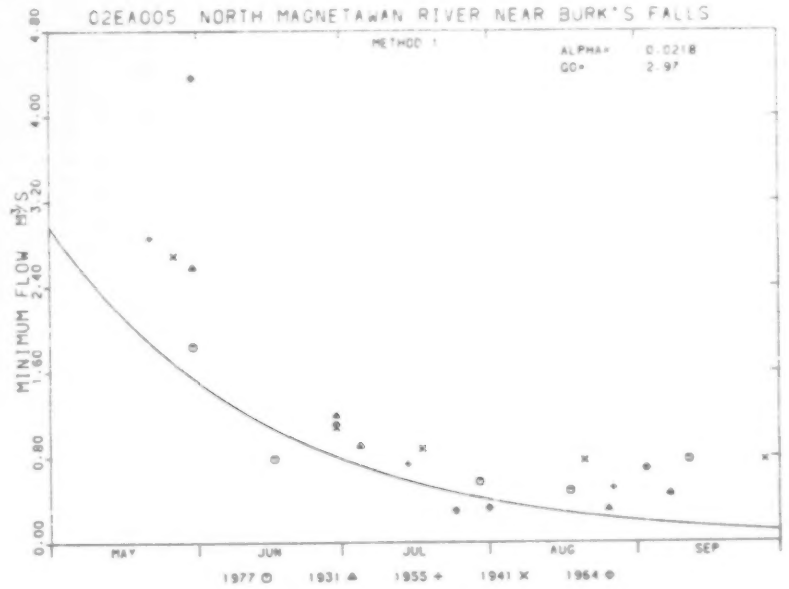
ALPHA= .0235 MU= .0165 QO= 1.41

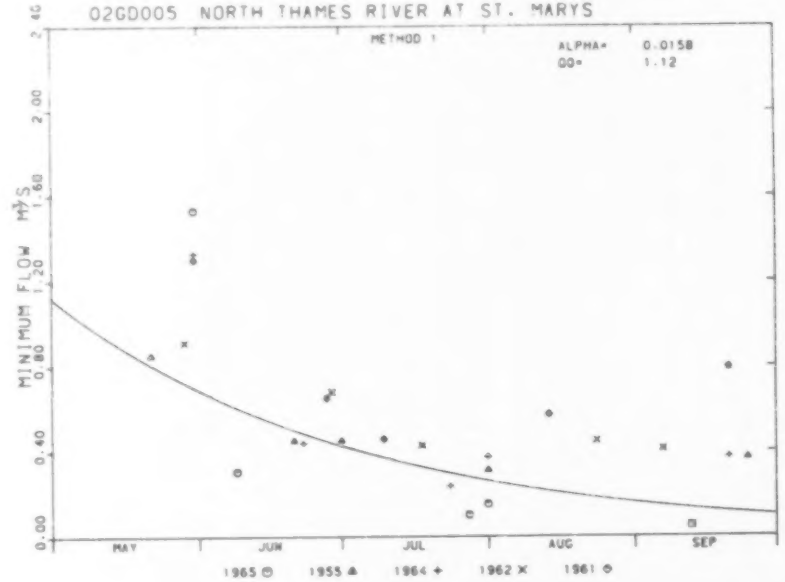
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	2687.8	1268.9	641.9	389.7	146.2	9894.1	3.39
CURVE 2	2355.9	1039.7	616.5	397.0	269.4	4678.5	3.14


02EA005 NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS
METHOD 1
ALPHA= 0.0218
QO= 2.97
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GD005 NORTH THAMES RIVER AT ST. MARYS
METHOD 1
ALPHA= 0.0158
QO= 1.12
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02EA005 NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS
METHOD 1
ALPHA= 0.0218
QO= 2.97
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1931 ▲ 1955 + 1941 × 1964 ◇


02GD005 NORTH THAMES RIVER AT ST. MARYS
METHOD 1
ALPHA= 0.0158
QO= 1.12
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1955 ▲ 1964 + 1962 × 1961 ◇

02EA005 NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS

DRAINAGE AREA 321 SQ KM NATURAL FLOW

PERIOD OF RECORD 1919-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	1.84	MAY	1977	31	1.84
1977	JUN	17	.79	MAY	1958	31	2.46
1977	JUL	30	.97	MAY	1931	31	2.58
1977	AUG	18	.48	MAY	1941	27	2.69
1977	SEP	12	.77	MAY	1935	31	2.72
1931	MAY	31	2.58	JUN	1977	17	.79
1931	JUN	30	1.19	JUN	1941	30	1.08
1931	JUL	5	.91	JUN	1955	30	1.10
1931	AUG	26	.31	JUN	1964	30	1.11
1931	SEP	8	.45	JUN	1931	30	1.19
1955	MAY	22	2.86	JUL	1964	25	.30
1955	JUN	30	1.10	JUL	1936	30	.45
1955	JUL	15	.74	JUL	1924	21	.54
1955	AUG	27	.51	JUL	1942	30	.54
1955	SEP	8	.45	JUL	1977	30	.57
1941	MAY	27	2.69	AUG	1917	24	.14
1941	JUN	30	1.08	AUG	1931	26	.31
1941	JUL	18	.88	AUG	1936	11	.31
1941	AUG	21	.77	AUG	1964	1	.32
1941	SEP	28	.77	AUG	1923	17	.34
1964	MAY	31	4.36	SEP	1967	26	.23
1964	JUN	30	1.11	SEP	1962	7	.35
1964	JUL	25	.30	SEP	1942	6	.37
1964	AUG	1	.32	SEP	1948	29	.43
1964	SEP	3	.69	SEP	1966	28	.44

ALPHA= .0218 QO= 2.97

02GC005 NORTH THAMES RIVER AT ST. MARYS

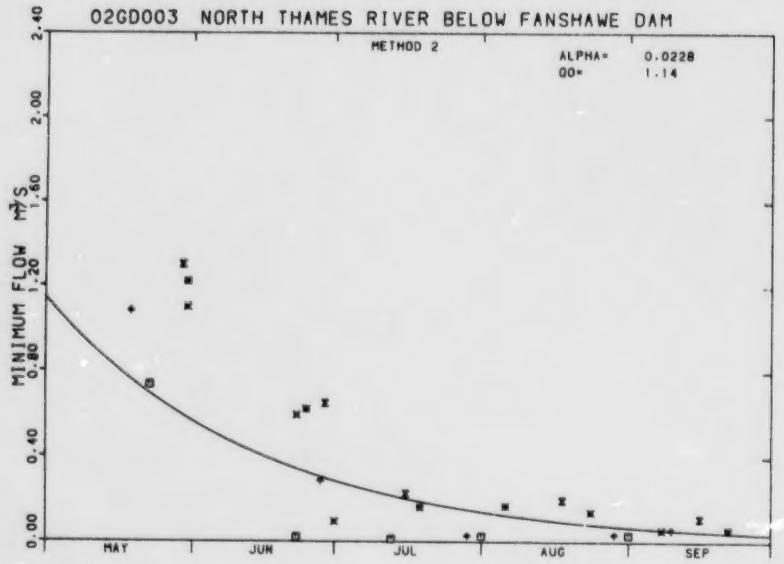
DRAINAGE AREA 1080 SQ KM REGULATED

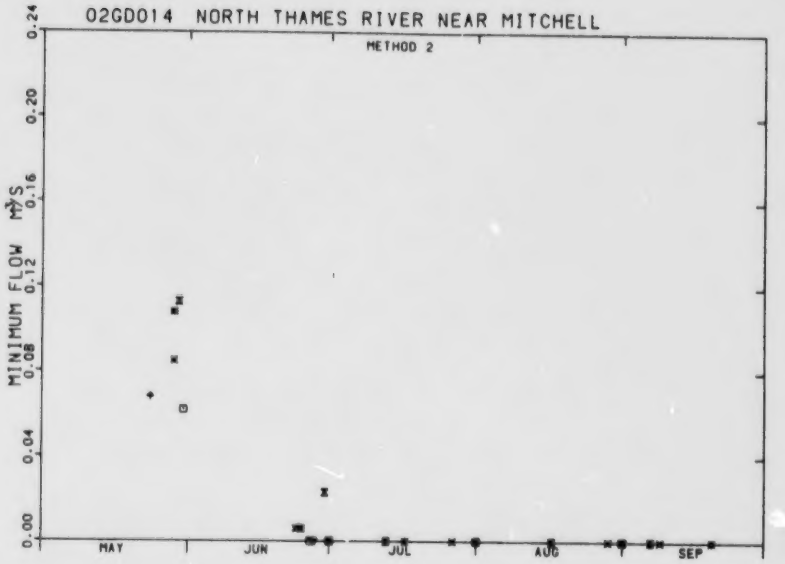
PERIOD OF RECORD 1938-80

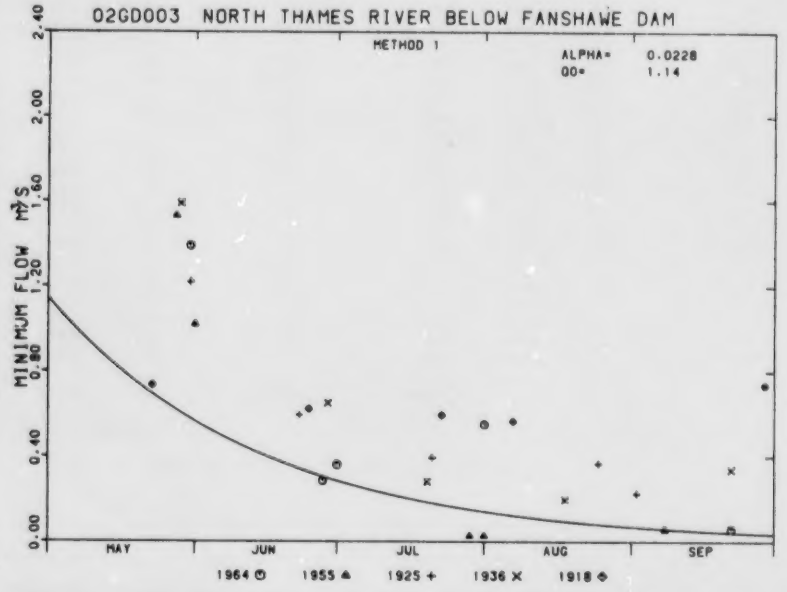
DISCHARGES IN CUBIC METRES PER SECOND

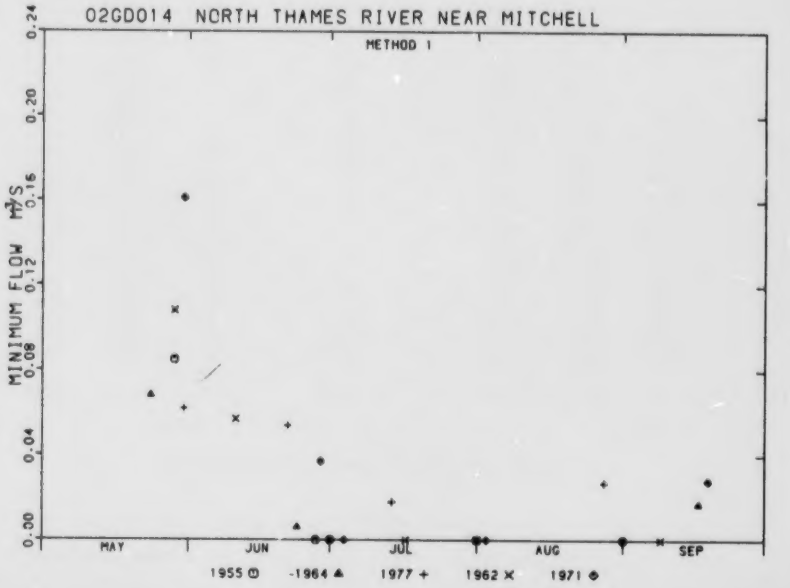
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	1.53	MAY	1955	22	.85
1965	JUN	9	.31	MAY	1962	29	.91
1965	JUL	28	.10	MAY	1958	30	1.05
1965	AUG	1	.15	MAY	1961	31	1.30
1965	SEP	13	.05	MAY	1964	31	1.33
1955	MAY	22	.85	JUN	1965	9	.31
1955	JUN	21	.45	JUN	1963	28	.44
1955	JUL	1	.45	JUN	1964	23	.44
1955	AUG	1	.31	JUN	1955	21	.45
1955	SEP	25	.37	JUN	1967	6	.61
1964	MAY	31	1.33	JUL	1965	28	.10
1964	JUN	23	.44	JUL	1964	24	.24
1964	JUL	24	.24	JUL	1966	9	.24
1964	AUG	1	.37	JUL	1962	18	.43
1964	SEP	21	.37	JUL	1955	1	.45
1962	MAY	29	.91	AUG	1965	1	.15
1962	JUN	29	.68	AUG	1955	1	.31
1962	JUL	18	.43	AUG	1952	29	.34
1962	AUG	24	.45	AUG	1959	6	.37
1962	SEP	7	.41	AUG	1964	1	.37
1961	MAY	31	1.30	SEP	1965	13	.05
1961	JUN	28	.65	SEP	1955	25	.37
1961	JUL	10	.46	SEP	1960	6	.37
1961	AUG	14	.57	SEP	1964	21	.37
1961	SEP	21	.79	SEP	1962	7	.41

ALPHA= .0158 QO= 1.12


02GD003 NORTH THAMES RIVER BELOW FANSHAWE DAM
METHOD 2
ALPHA= 0.0228
QO= 1.14
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02GD014 NORTH THAMES RIVER NEAR MITCHELL
METHOD 2
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02GD003 NORTH THAMES RIVER BELOW FANSHAWE DAM
METHOD 1
ALPHA= 0.0228
QO= 1.14
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1964 ⊙ 1955 ▲ 1925 + 1936 × 1918 ◆


02GD014 NORTH THAMES RIVER NEAR MITCHELL
METHOD 1
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1955 ⊙ 1964 ▲ 1977 + 1962 × 1971 ◆

02GD003 NORTH THAMES RIVER BELOW FANSHAWE DAM

DRAINAGE AREA 1450 SQ KM REGULATED

PERIOD OF RECORD 1915-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	31	1.39	MAY	1918	23	.74
1964	JUN	28	.29	MAY	1939	19	1.08
1964	JUL	1	.36	MAY	1919	31	1.10
1964	AUG	1	.55	MAY	1925	31	1.22
1964	SEP	22	.06	MAY	1920	30	1.30
1955	MAY	28	1.53	JUN	1969	23	.02
1955	JUN	1	1.02	JUN	1964	28	.29
1955	JUL	29	.03	JUN	1925	23	.60
1955	AUG	1	.03	JUN	1918	25	.62
1955	SEP	8	.06	JUN	1936	29	.65
1925	MAY	31	1.22	JUL	1963	13	.01
1925	JUN	23	.60	JUL	1955	29	.03
1925	JUL	21	.40	JUL	1969	1	.10
1925	AUG	25	.37	JUL	1962	19	.16
1925	SEP	2	.23	JUL	1954	16	.23
1936	MAY	29	1.59	AUG	1955	1	.03
1936	JUN	29	.65	AUG	1963	29	.03
1936	JUL	20	.28	AUG	1954	24	.14
1936	AUG	18	.20	AUG	1930	6	.17
1936	SEP	22	.34	AUG	1936	18	.20
1918	MAY	23	.74	SEP	1963	1	.03
1918	JUN	25	.62	SEP	1919	10	.06
1918	JUL	23	.60	SEP	1955	8	.06
1918	AUG	7	.57	SEP	1964	22	.06
1918	SEP	29	.74	SEP	1930	16	.11

ALPHA= .0228 Q0= 1.15

02GD014 NORTH THAMES RIVER NEAR MITCHELL

DRAINAGE AREA 319 SQ KM REGULATED

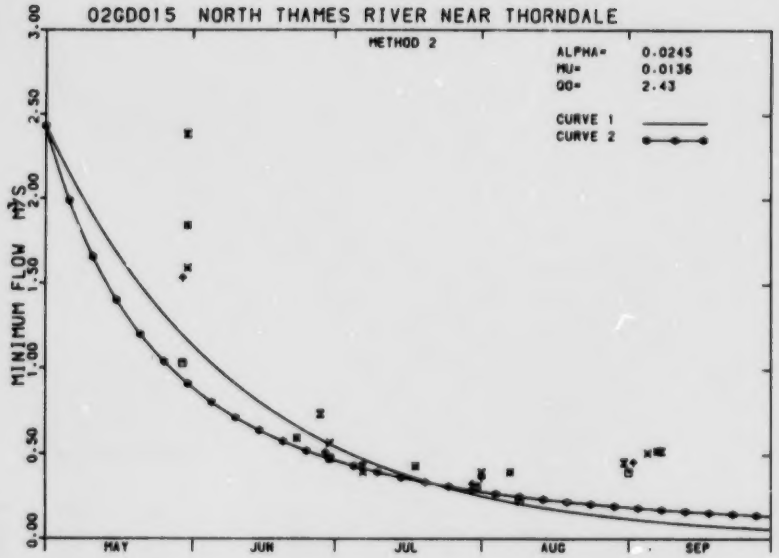
PERIOD OF RECORD 1953-80

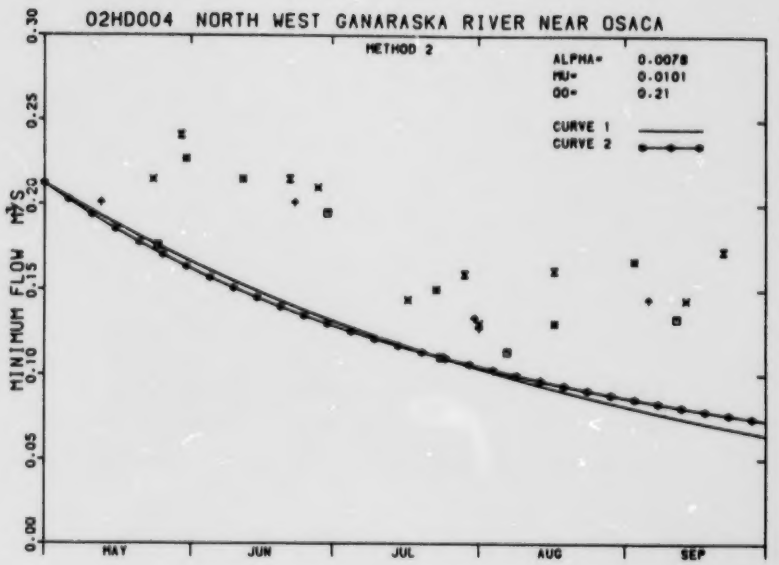
DISCHARGES IN CUBIC METRES PER SECOND

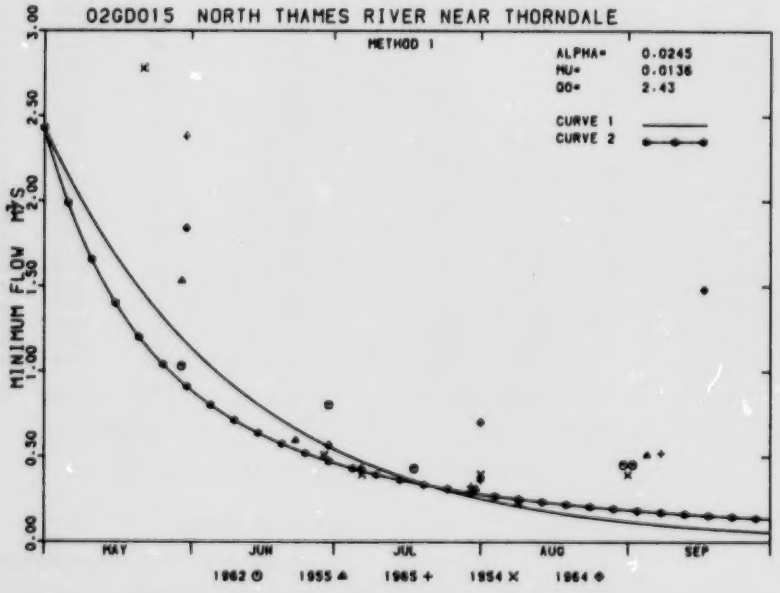
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	29	.085	MAY	1977	31	.062
1955	JUN	28	0.000	MAY	1964	24	.068
1955	JUL	1	0.000	MAY	1955	29	.085
1955	AUG	1	0.000	MAY	1962	29	.108
1955	SEP	1	0.000	MAY	1958	30	.113
1964	MAY	24	.068	JUN	1954	27	0.000
1964	JUN	24	.006	JUN	1955	28	0.000
1964	JUL	1	0.000	JUN	1964	24	.006
1964	AUG	1	0.000	JUN	1965	25	.006
1964	SEP	17	.017	JUN	1963	30	.023
1977	MAY	31	.062	JUL	1954	1	0.000
1977	JUN	22	.054	JUL	1955	1	0.000
1977	JUL	14	.018	JUL	1960	27	0.000
1977	AUG	28	.027	JUL	1962	17	0.000
1977	SEP	1	0.000	JUL	1963	13	0.000
1962	MAY	29	.108	AUG	1954	1	0.000
1962	JUN	11	.057	AUG	1955	1	0.000
1962	JUL	17	0.000	AUG	1958	29	0.000
1962	AUG	1	0.000	AUG	1960	1	0.000
1962	SEP	9	0.000	AUG	1961	17	0.000
1971	MAY	31	.161	SEP	1954	1	0.000
1971	JUN	29	.037	SEP	1955	1	0.000
1971	JUL	4	0.000	SEP	1962	9	0.000
1971	AUG	3	0.000	SEP	1969	20	0.000
1971	SEP	19	.028	SEP	1972	7	0.000

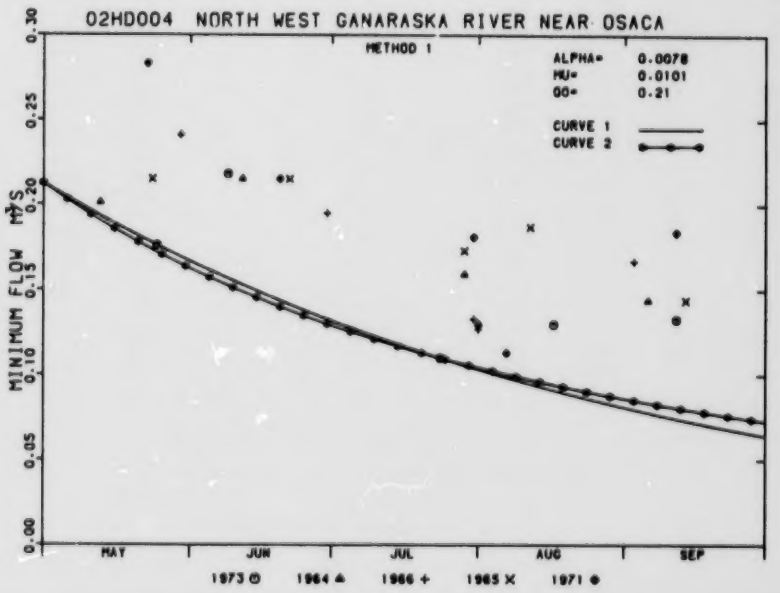
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.252	.056	0.000	0.000	0.000


02GD015 NORTH THAMES RIVER NEAR THORNDALE
METHOD 2
ALPHA= 0.0245
MU= 0.0136
QO= 2.43
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP


02HD004 NORTH WEST GANARASKA RIVER NEAR OSACA
METHOD 2
ALPHA= 0.0078
MU= 0.0101
QO= 0.21
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.30
0.25
0.20
0.15
0.10
0.05
0.00
MAY
JUN
JUL
AUG
SEP


02GD015 NORTH THAMES RIVER NEAR THORNDALE
METHOD 1
ALPHA= 0.0245
MU= 0.0136
QO= 2.43
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1955 ▲ 1965 + 1954 × 1964 ◆


02HD004 NORTH WEST GANARASKA RIVER NEAR OSACA
METHOD 1
ALPHA= 0.0078
MU= 0.0101
QO= 0.21
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.30
0.25
0.20
0.15
0.10
0.05
0.00
MAY
JUN
JUL
AUG
SEP
1973 ⊙ 1964 ▲ 1966 + 1965 × 1971 ◆

02GD015 NORTH THAMES RIVER NEAR THORNDALE

DRAINAGE AREA 1340 SQ KM REGULATED

PERIOD OF RECORD 1953-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	1.03	MAY	1962	30	1.03
1962	JUN	30	.80	MAY	1955	30	1.53
1962	JUL	18	.43	MAY	1958	31	1.39
1962	AUG	31	.45	MAY	1964	31	1.84
1962	SEP	2	.45	MAY	1965	31	2.38
1955	MAY	30	1.53	JUN	1965	30	.48
1955	JUN	23	.60	JUN	1954	29	.51
1955	JUL	31	.31	JUN	1964	30	.57
1955	AUG	9	.23	JUN	1955	23	.60
1955	SEP	5	.51	JUN	1963	28	.74
1965	MAY	31	2.38	JUL	1955	31	.31
1965	JUN	30	.48	JUL	1965	30	.33
1965	JUL	30	.33	JUL	1954	7	.40
1965	AUG	1	.36	JUL	1962	18	.43
1965	SEP	8	.52	JUL	1964	7	.43
1954	MAY	22	2.78	AUG	1955	9	.23
1954	JUN	29	.51	AUG	1965	1	.36
1954	JUL	7	.40	AUG	1954	1	.40
1954	AUG	1	.40	AUG	1959	7	.40
1954	SEP	1	.40	AUG	1962	31	.45
1964	MAY	31	1.84	SEP	1954	1	.40
1964	JUN	30	.57	SEP	1962	2	.45
1964	JUL	7	.43	SEP	1955	5	.51
1964	AUG	1	.70	SEP	1960	7	.52
1964	SEP	17	1.48	SEP	1965	8	.52

ALPHA= .0245 MU= .0136 QO= 2.43

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	4554.8	2082.3	1019.6	476.5	217.8	8351.1	.62
CURVE 2	3929.8	1661.2	965.0	613.7	413.0	7582.8	.57

02HD004 NORTH WEST SASKATCHEWAN RIVER NEAR OSACA

DRAINAGE AREA 42.7 SQ KM REGULATED

PERIOD OF RECORD 1958-80

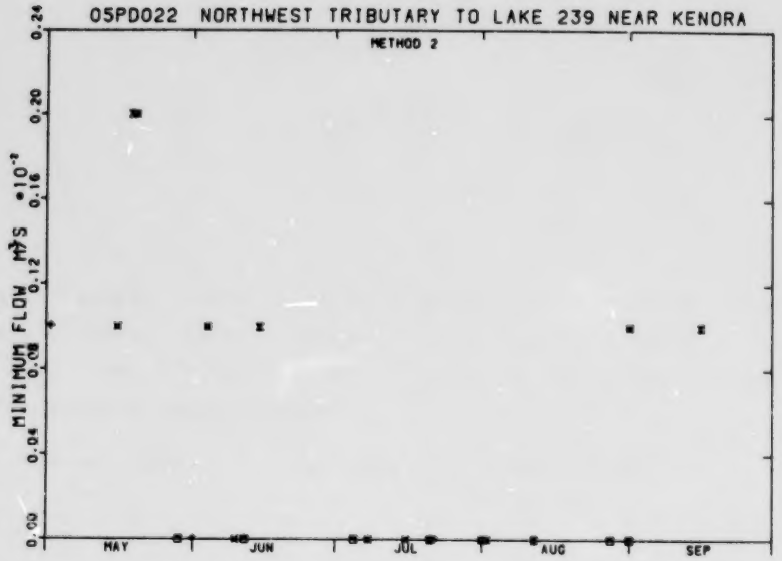
DISCHARGES IN CUBIC METRES PER SECOND

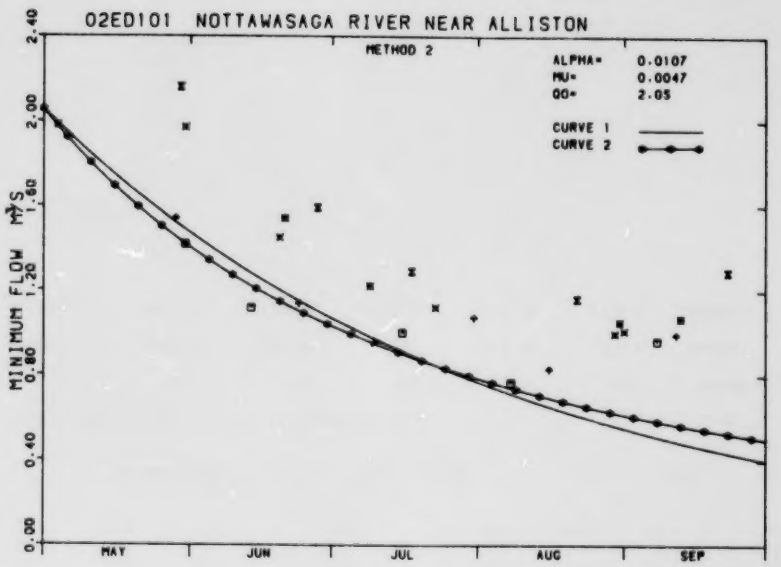
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1973	MAY	25	.176	MAY	1973	25	.176
1973	JUN	9	.216	MAY	1964	13	.201
1973	JUL	24	.110	MAY	1965	24	.215
1973	AUG	17	.130	MAY	1977	31	.227
1973	SEP	12	.133	MAY	1966	30	.241
1964	MAY	13	.201	JUN	1966	30	.195
1964	JUN	12	.215	JUN	1963	23	.201
1964	JUL	29	.159	JUN	1977	28	.210
1964	AUG	1	.130	JUN	1964	12	.219
1964	SEP	6	.144	JUN	1965	22	.215
1966	MAY	30	.241	JUL	1973	24	.110
1966	JUN	30	.195	JUL	1966	31	.133
1966	JUL	31	.133	JUL	1962	17	.144
1966	AUG	1	.127	JUL	1977	23	.150
1966	SEP	3	.167	JUL	1964	29	.159
1965	MAY	24	.215	AUG	1971	7	.113
1965	JUN	22	.215	AUG	1966	1	.127
1965	JUL	29	.173	AUG	1964	1	.130
1965	AUG	12	.187	AUG	1973	17	.130
1965	SEP	14	.144	AUG	1970	17	.101
1971	MAY	23	.203	SEP	1973	12	.133
1971	JUN	20	.215	SEP	1964	6	.144
1971	JUL	31	.101	SEP	1965	14	.144
1971	AUG	7	.113	SEP	1966	3	.107
1971	SEP	12	.184	SEP	1962	22	.178

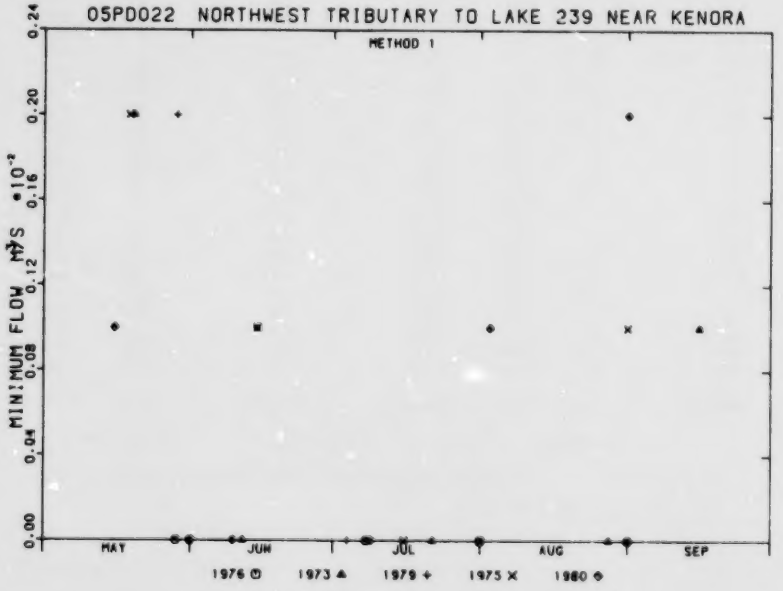
ALPHA= .0078 MU= .0101 QO= .21

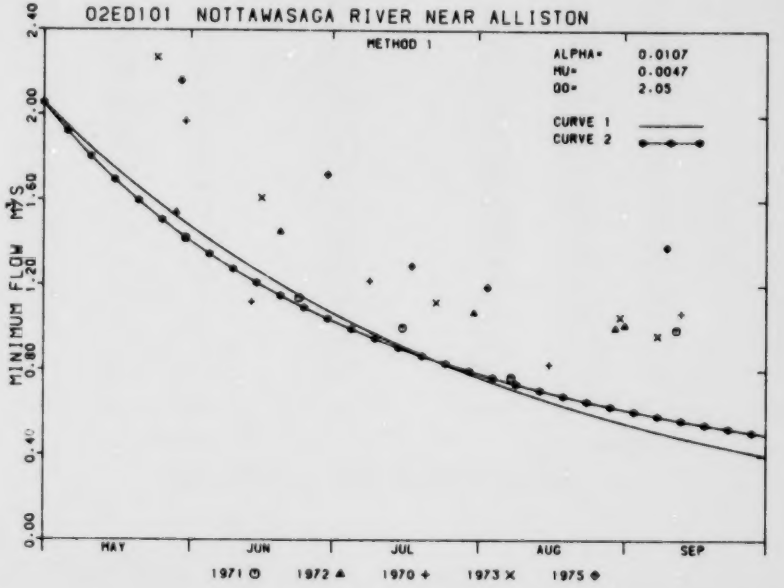
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	505.1	384.9	313.2	245.7	187.2	1636.1	3.83
CURVE 2	497.4	375.2	310.8	253.9	205.1	1642.4	3.85


05PD022 NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA
METHOD 2
MINIMUM FLOW M³/S •10⁻²
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02ED101 NOTTAWASAGA RIVER NEAR ALLISTON
METHOD 2
ALPHA= 0.0107
MU= 0.0047
QO= 2.05
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


05PD022 NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA
METHOD 1
MINIMUM FLOW M³/S •10⁻²
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1976 ⊙ 1973 ▲ 1979 + 1975 × 1980 ◆


02ED101 NOTTAWASAGA RIVER NEAR ALLISTON
METHOD 1
ALPHA= 0.0107
MU= 0.0047
QO= 2.05
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1972 ▲ 1970 + 1973 × 1975 ◆

05PD022 NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA

DRAINAGE AREA .65 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	29	0.000	MAY	1976	29	0.000
1976	JUN	1	0.000	MAY	1977	2	.001
1976	JUL	8	0.000	MAY	1980	16	.001
1976	AUG	1	0.000	MAY	1973	20	.002
1976	SEP	1	0.000	MAY	1975	19	.002
1973	MAY	20	.002	JUN	1973	12	0.000
1973	JUN	12	0.000	JUN	1976	1	0.000
1973	JUL	22	0.000	JUN	1980	10	0.000
1973	AUG	28	0.000	JUN	1972	4	.001
1973	SEP	16	.001	JUN	1975	15	.001
1979	MAY	29	.002	JUL	1972	5	0.000
1979	JUN	15	.001	JUL	1973	22	0.000
1979	JUL	4	0.000	JUL	1975	16	0.000
1979	AUG	1	0.000	JUL	1976	8	0.000
1979	SEP	1	0.000	JUL	1977	21	0.000
1975	MAY	19	.002	AUG	1973	28	0.000
1975	JUN	15	.001	AUG	1975	1	0.000
1975	JUL	16	0.000	AUG	1976	1	0.000
1975	AUG	1	0.000	AUG	1977	2	0.000
1975	SEP	1	.001	AUG	1978	12	0.000
1980	MAY	16	.001	SEP	1976	1	0.000
1980	JUN	10	0.000	SEP	1979	1	0.000
1980	JUL	9	0.000	SEP	1971	1	.001
1980	AUG	3	.001	SEP	1972	1	.001
1980	SEP	1	.002	SEP	1973	16	.001

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.002	.002	0.000	0.000	0.000

02ED101 MOTTAWASAGA RIVER NEAR ALLISTON

DRAINAGE AREA 334 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-78

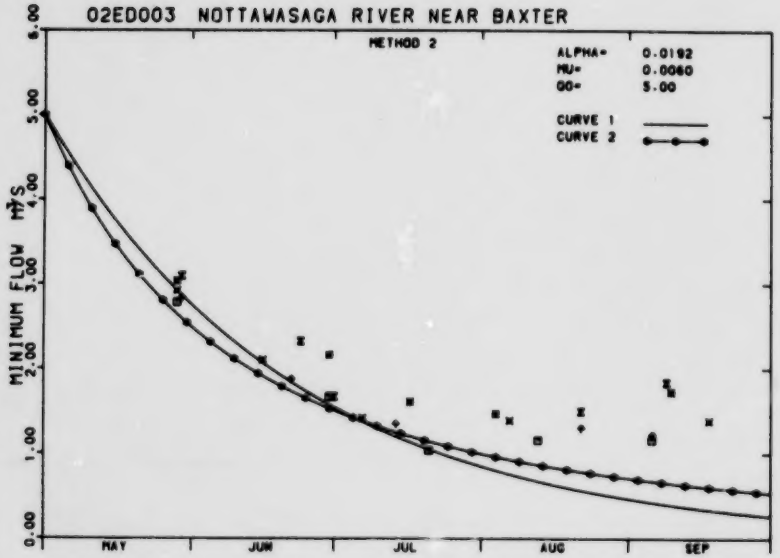
DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	31	1.42	MAY	1971	31	1.42
1971	JUN	24	1.14	MAY	1972	29	1.34
1971	JUL	16	1.00	MAY	1970	31	1.97
1971	AUG	8	.77	MAY	1968	4	1.98
1971	SEP	12	.99	MAY	1973	30	2.16
1972	MAY	29	1.54	JUN	1970	14	1.12
1972	JUN	20	1.45	JUN	1971	24	1.14
1972	JUL	31	1.07	JUN	1972	20	1.49
1972	AUG	30	1.00	JUN	1966	21	1.34
1972	SEP	1	1.01	JUN	1974	28	1.39
1970	MAY	31	1.97	JUL	1971	16	1.00
1970	JUN	14	1.12	JUL	1972	31	1.07
1970	JUL	9	1.22	JUL	1973	23	1.12
1970	AUG	16	.83	JUL	1970	9	1.22
1970	SEP	13	1.07	JUL	1975	18	1.29
1973	MAY	25	2.27	AUG	1971	8	.77
1973	JUN	16	1.61	AUG	1970	16	.83
1973	JUL	23	1.12	AUG	1972	30	1.00
1973	AUG	31	1.05	AUG	1973	31	1.05
1973	SEP	8	.96	AUG	1974	22	1.16
1975	MAY	30	2.16	SEP	1973	8	.96
1975	JUN	30	1.72	SEP	1971	12	.99
1975	JUL	18	1.29	SEP	1972	1	1.01
1975	AUG	3	1.19	SEP	1970	13	1.07
1975	SEP	10	1.38	SEP	1974	23	1.29

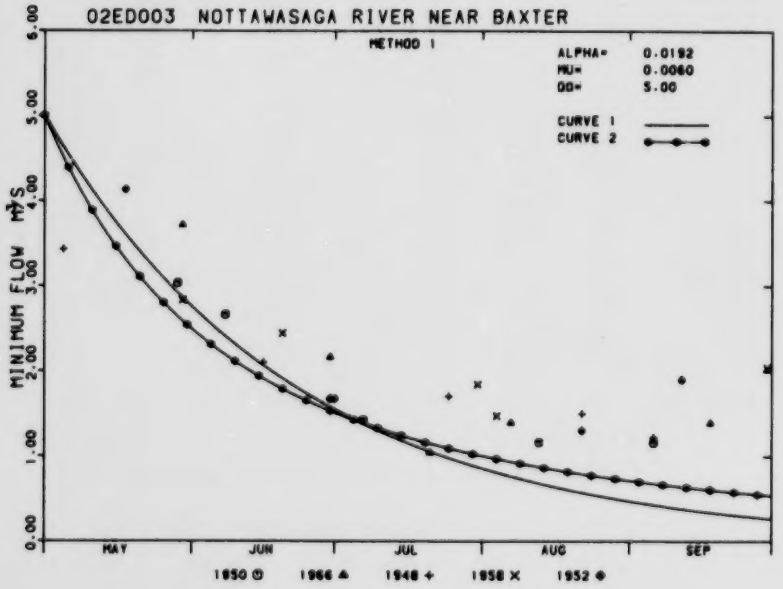
ALPHA= .0107 MU= .0047 QO= 2.05

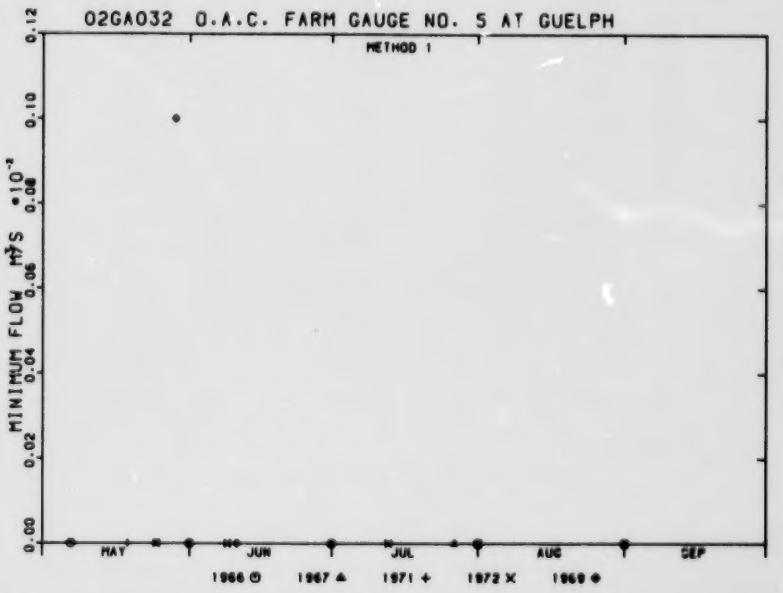
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	4683.2	3267.9	2436.3	1747.8	1219.6	13354.7	4.00
CURVE 2	4552.8	3122.5	2407.8	1857.8	1434.0	13374.9	4.00


02ED003 NOTTAWASAGA RIVER NEAR BAXTER
METHOD 2
ALPHA= 0.0192
MU= 0.0060
QO= 5.00
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
6.00
5.00
4.00
3.00
2.00
1.00
0.00
MAY
JUN
JUL
AUG
SEP

02GA032 O.A.C. FARM GAUGE NO. 5 AT GUELPH
METHOD 2
MINIMUM FLOW M³/S •10⁻²
0.12
0.10
0.08
0.06
0.04
0.02
0.00
MAY
JUN
JUL
AUG
SEP


02ED003 NOTTAWASAGA RIVER NEAR BAXTER
METHOD 1
ALPHA= 0.0192
MU= 0.0060
QO= 5.00
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
6.00
5.00
4.00
3.00
2.00
1.00
0.00
MAY
JUN
JUL
AUG
SEP
1950 ⊙ 1966 ▲ 1948 + 1958 × 1952 ●


02GA032 O.A.C. FARM GAUGE NO. 5 AT GUELPH
METHOD 1
MINIMUM FLOW M³/S •10⁻²
0.12
0.10
0.08
0.06
0.04
0.02
0.00
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1967 ▲ 1971 + 1972 × 1969 ●

02EQ003 MOTTAWASAGA RIVER NEAR BAXTER

DRAINAGE AREA 1180 SQ KM NATURAL FLOW

PERIOD OF RECORD 1947-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1950	MAY	29	3.03	MAY	1977	29	2.78
1950	JUN	8	2.66	MAY	1958	30	2.83
1950	JUL	7	1.42	MAY	1967	29	2.92
1950	AUG	13	1.16	MAY	1950	29	3.03
1950	SEP	6	1.16	MAY	1965	30	3.09
1966	MAY	30	3.71	JUN	1952	30	1.67
1966	JUN	30	2.16	JUN	1959	22	1.87
1966	JUL	21	1.04	JUN	1948	16	2.10
1966	AUG	7	1.39	JUN	1966	30	2.16
1966	SEP	18	1.39	JUN	1965	24	2.32
1948	MAY	5	3.43	JUL	1966	21	1.04
1948	JUN	16	2.10	JUL	1963	14	1.35
1948	JUL	25	1.70	JUL	1950	7	1.42
1948	AUG	22	1.30	JUL	1959	17	1.61
1948	SEP	6	1.22	JUL	1952	1	1.67
1958	MAY	30	2.83	AUG	1950	13	1.16
1958	JUN	20	2.44	AUG	1952	22	1.30
1958	JUL	31	1.84	AUG	1966	7	1.39
1958	AUG	4	1.47	AUG	1958	4	1.47
1958	SEP	30	2.04	AUG	1948	22	1.90
1952	MAY	18	4.13	SEP	1950	6	1.16
1952	JUN	30	1.67	SEP	1948	6	1.22
1952	JUL	1	1.67	SEP	1966	18	1.39
1952	AUG	22	1.30	SEP	1962	10	1.73
1952	SEP	12	1.90	SEP	1959	9	1.84

ALPHA= .0192 MU= .0060 QO= 5.00

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	10088.6	9424.3	3119.9	1718.4	923.9	21279.1	1.80
CURVE 2	9492.8	9029.0	3288.4	2295.3	1396.9	21610.5	1.83

02GA032 O.A.C. FARM GAUGE NO. 5 AT GUELPH

DRAINAGE AREA 2.51 SQ KM NATURAL FLOW

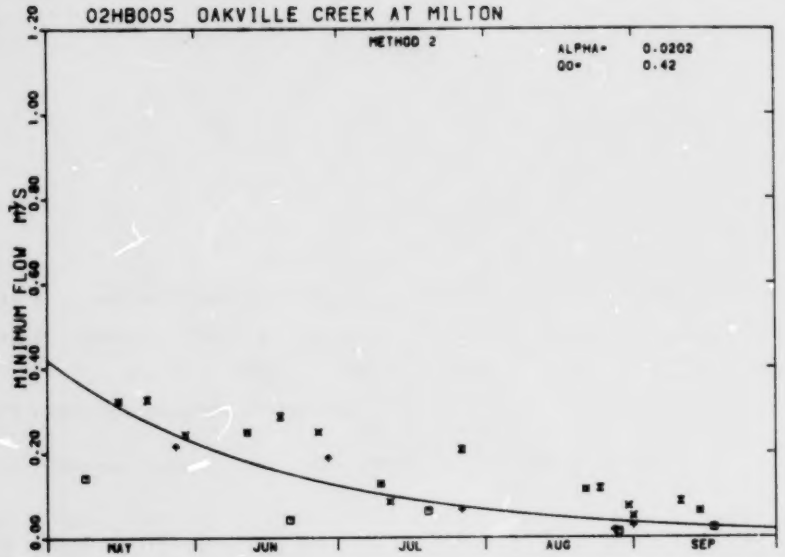
PERIOD OF RECORD 1966-80

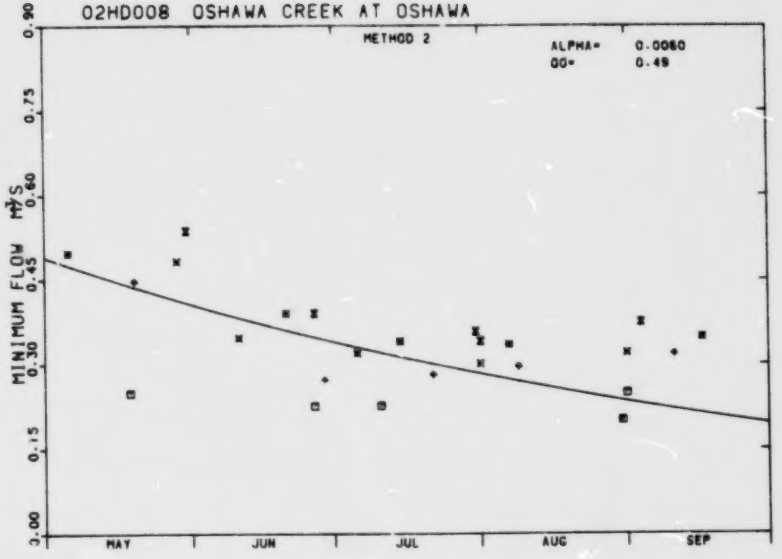
DISCHARGES IN CUBIC METRES PER SECOND

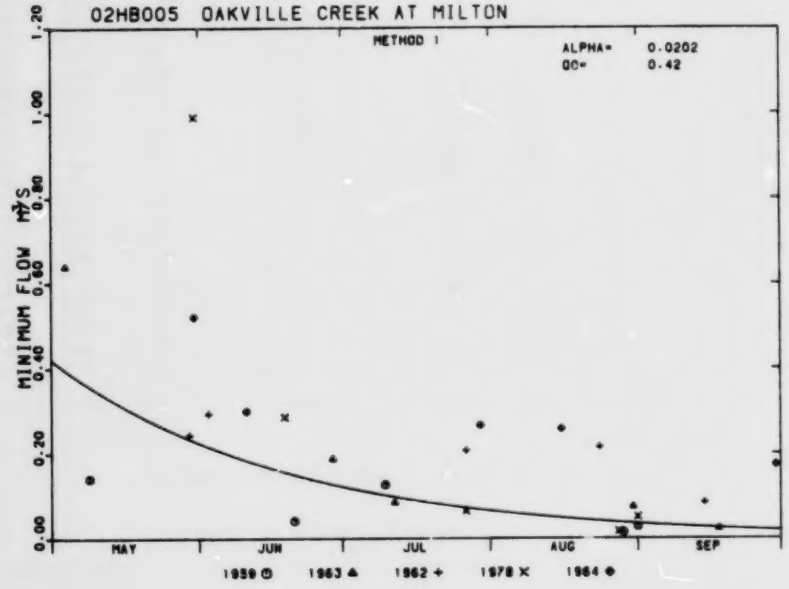
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	7	0.000	MAY	1966	7	0.000
1966	JUN	1	0.000	MAY	1967	29	0.000
1966	JUL	1	0.000	MAY	1971	19	0.000
1966	AUG	1	0.000	MAY	1972	29	0.000
1966	SEP	1	0.000	MAY	1968	1	.001
1967	MAY	25	0.000	JUN	1966	1	0.000
1967	JUN	1	0.000	JUN	1967	1	0.000
1967	JUL	27	0.000	JUN	1968	6	0.000
1967	AUG	1	0.000	JUN	1969	11	0.000
1967	SEP	1	0.000	JUN	1970	6	0.000
1971	MAY	19	0.000	JUL	1966	1	0.000
1971	JUN	1	0.000	JUL	1967	27	0.000
1971	JUL	1	0.000	JUL	1968	5	0.000
1971	AUG	1	0.000	JUL	1969	1	0.000
1971	SEP	1	0.000	JUL	1970	1	0.000
1972	MAY	25	0.000	AUG	1966	1	0.000
1972	JUN	9	0.000	AUG	1967	1	0.000
1972	JUL	13	0.000	AUG	1968	1	0.000
1972	AUG	1	0.000	AUG	1969	1	0.000
1972	SEP	1	0.000	AUG	1970	1	0.000
1969	MAY	29	.001	SEP	1966	1	0.000
1969	JUN	11	0.000	SEP	1967	1	0.000
1969	JUL	1	0.000	SEP	1969	1	0.000
1969	AUG	1	0.000	SEP	1970	2	0.000
1969	SEP	1	0.000	SEP	1971	1	0.000

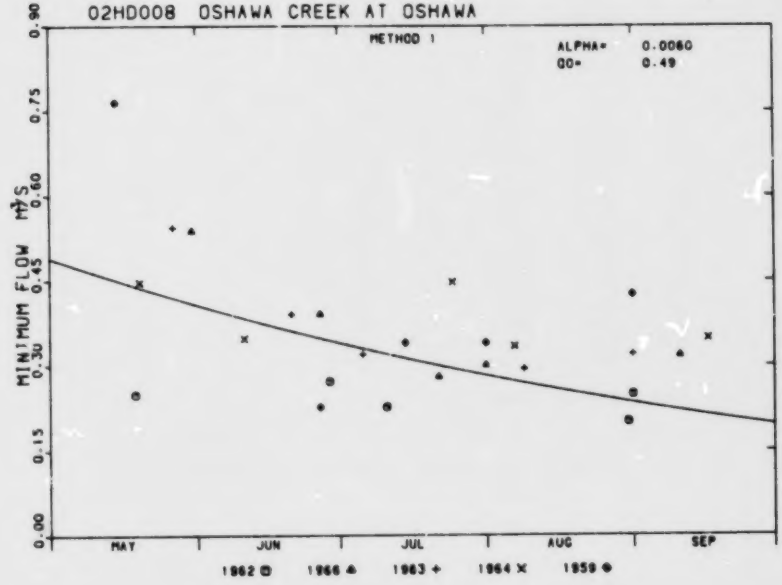
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.003	0.000	0.000	0.000	0.000


02HB005 OAKVILLE CREEK AT MILTON
METHOD 2
ALPHA= 0.0202
QO= 0.42
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


02HD008 OSHAWA CREEK AT OSHAWA
METHOD 2
ALPHA= 0.0060
QO= 0.49
MINIMUM FLOW M³/S
0.90
0.75
0.60
0.45
0.30
0.15
0.00
MAY
JUN
JUL
AUG
SEP


02HB005 OAKVILLE CREEK AT MILTON
METHOD 1
ALPHA= 0.0202
QO= 0.42
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1959 ⊙ 1963 ▲ 1962 + 1978 × 1964 ◆


02HD008 OSHAWA CREEK AT OSHAWA
METHOD 1
ALPHA= 0.0060
QO= 0.49
MINIMUM FLOW M³/S
0.90
0.75
0.60
0.45
0.30
0.15
0.00
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1966 ▲ 1963 + 1964 × 1959 ◆

02HB005 OAKVILLE CREEK AT MILTON

DRAINAGE AREA 99.6 SQ KM REGULATED

PERIOD OF RECORD 1957-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1959	MAY	9	.142	MAY	1959	9	.142
1959	JUN	21	.042	MAY	1972	28	.215
1959	JUL	10	.127	MAY	1962	30	.244
1959	AUG	29	.014	MAY	1971	16	.323
1959	SEP	1	.028	MAY	1977	22	.326
1963	MAY	4	.640	JUN	1959	21	.042
1963	JUN	29	.187	JUN	1963	29	.187
1963	JUL	12	.085	JUN	1966	27	.249
1963	AUG	31	.074	JUN	1969	12	.249
1963	SEP	18	.023	JUN	1978	19	.286
1962	MAY	30	.244	JUL	1961	20	.062
1962	JUN	3	.294	JUL	1978	27	.065
1962	JUL	27	.207	JUL	1963	12	.085
1962	AUG	24	.215	JUL	1959	10	.127
1962	SEP	15	.085	JUL	1962	27	.207
1978	MAY	31	.991	AUG	1959	29	.014
1978	JUN	19	.286	AUG	1978	28	.017
1978	JUL	27	.065	AUG	1963	31	.074
1978	AUG	28	.017	AUG	1957	22	.113
1978	SEP	1	.051	AUG	1960	25	.116
1964	MAY	31	.521	SEP	1963	18	.023
1964	JUN	11	.300	SEP	1959	1	.028
1964	JUL	30	.266	SEP	1978	1	.051
1964	AUG	16	.258	SEP	1960	15	.062
1964	SEP	30	.173	SEP	1957	11	.085

ALPHA= .0202 QO= .42

02HD006 OSHAWA CREEK AT OSHAWA

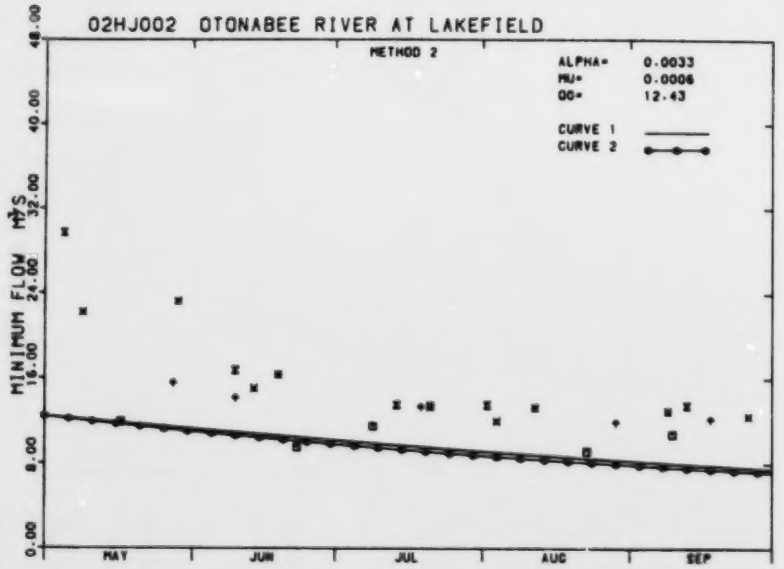
DRAINAGE AREA 99.8 SQ KM NATURAL FLOW

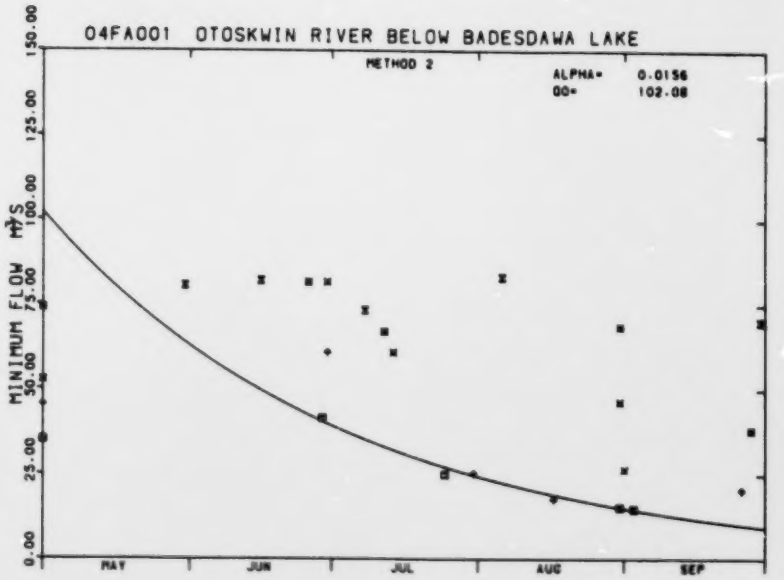
PERIOD OF RECORD 1959-80

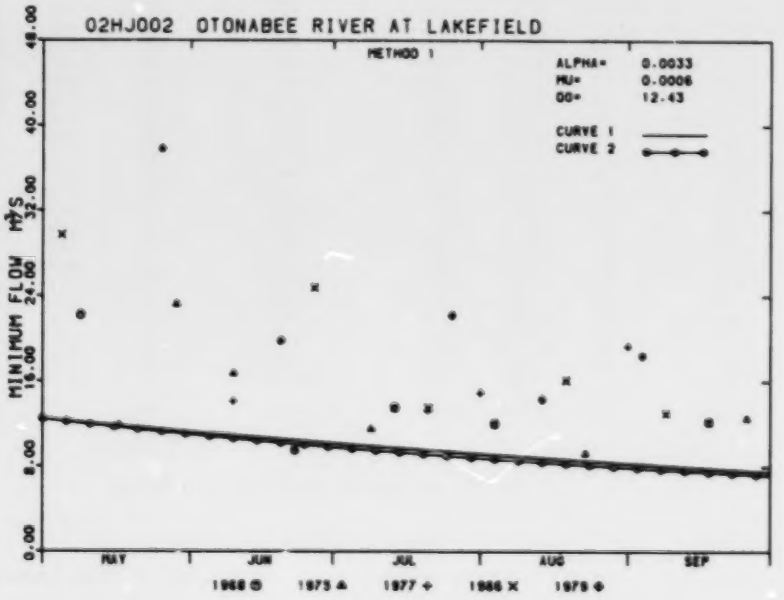
DISCHARGES IN CUBIC METRES PER SECOND

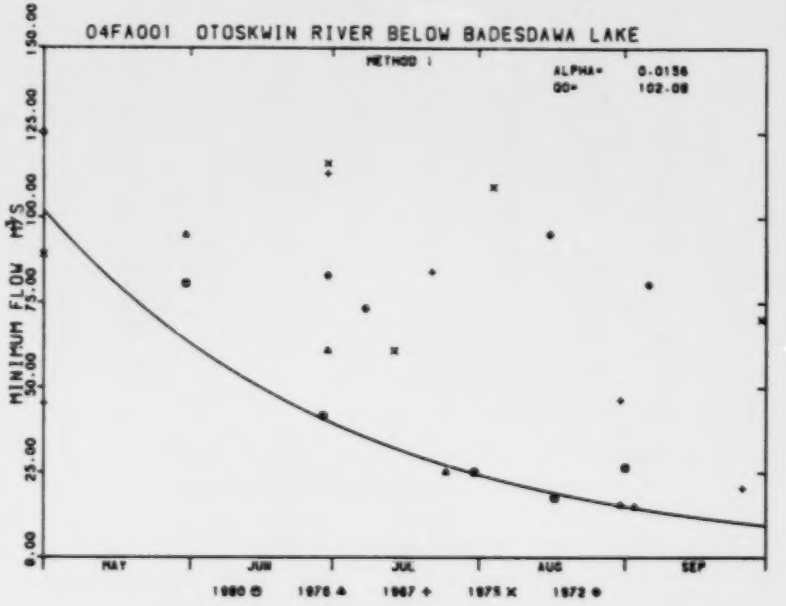
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	19	.249	MAY	1962	19	.249
1962	JUN	29	.272	MAY	1964	25	.447
1962	JUL	11	.227	MAY	1977	29	.484
1962	AUG	31	.201	MAY	1967	6	.498
1962	SEP	1	.249	MAY	1960	31	.938
1966	MAY	31	.938	JUN	1959	27	.227
1966	JUN	27	.391	JUN	1962	29	.272
1966	JUL	22	.280	JUN	1964	11	.348
1966	AUG	1	.300	JUN	1963	21	.391
1966	SEP	11	.317	JUN	1966	27	.391
1963	MAY	27	.544	JUL	1962	11	.227
1963	JUN	21	.391	JUL	1966	22	.280
1963	JUL	6	.320	JUL	1963	6	.320
1963	AUG	9	.294	JUL	1959	19	.340
1963	SEP	1	.320	JUL	1965	31	.357
1964	MAY	20	.447	AUG	1962	31	.201
1964	JUN	11	.348	AUG	1963	9	.294
1964	JUL	25	.447	AUG	1966	1	.300
1964	AUG	7	.334	AUG	1964	7	.334
1964	SEP	17	.348	AUG	1959	1	.340
1959	MAY	19	.765	SEP	1962	1	.249
1959	JUN	27	.227	SEP	1966	11	.317
1959	JUL	13	.340	SEP	1963	1	.320
1959	AUG	1	.340	SEP	1964	17	.348
1959	SEP	1	.425	SEP	1965	4	.374

ALPHA= .0060 QO= .49


02HJ002 OTONABEE RIVER AT LAKEFIELD
METHOD 2
ALPHA= 0.0033
MU= 0.0006
QO= 12.43
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04FA001 OTOSKWIN RIVER BELOW BADESDAWA LAKE
METHOD 2
ALPHA= 0.0156
QO= 102.08
MINIMUM FLOW M³/S
0.00
25.00
50.00
75.00
100.00
125.00
150.00
MAY
JUN
JUL
AUG
SEP


02HJ002 OTONABEE RIVER AT LAKEFIELD
METHOD 1
ALPHA= 0.0033
MU= 0.0006
QO= 12.43
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1968 ⊙ 1973 ▲ 1977 ✦ 1986 X 1975 ◆


04FA001 OTOSKWIN RIVER BELOW BADESDAWA LAKE
METHOD 1
ALPHA= 0.0156
QO= 102.08
MINIMUM FLOW M³/S
0.00
25.00
50.00
75.00
100.00
125.00
150.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1967 ✦ 1975 X 1972 ●

02HJ002 OTONABEE RIVER AT LAKEFIELD

DRAINAGE AREA 7360 SQ KM REGULATED

PERIOD OF RECORD 1962-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1968	MAY	9	22.20	MAY	1977	17	11.90
1968	JUN	23	9.49	MAY	1980	28	15.50
1968	JUL	14	13.50	MAY	1968	9	22.20
1969	AUG	4	12.00	MAY	1975	29	23.20
1968	SEP	18	12.20	MAY	1966	5	29.70
1975	MAY	29	23.20	JUN	1968	23	9.49
1975	JUN	10	16.70	JUN	1977	10	14.10
1975	JUL	9	11.50	JUN	1976	14	15.00
1975	AUG	23	9.20	JUN	1973	19	16.30
1975	SEP	26	12.90	JUN	1975	10	16.70
1977	MAY	17	11.90	JUL	1975	9	11.90
1977	JUN	10	14.10	JUL	1973	19	13.30
1977	JUL	21	13.30	JUL	1977	21	13.30
1977	AUG	1	14.90	JUL	1966	21	13.90
1977	SEP	1	19.30	JUL	1968	14	13.90
1966	MAY	5	29.70	AUG	1975	23	9.20
1966	JUN	27	24.80	AUG	1970	29	11.90
1966	JUL	21	13.90	AUG	1966	4	12.00
1966	AUG	19	16.10	AUG	1974	12	13.30
1966	SEP	9	13.00	AUG	1978	2	13.90
1979	MAY	26	37.80	SEP	1974	10	10.80
1979	JUN	20	19.80	SEP	1968	18	12.20
1979	JUL	26	22.20	SEP	1975	26	12.90
1979	AUG	14	14.30	SEP	1966	9	13.00
1979	SEP	4	18.40	SEP	1973	13	13.90

ALPHA= .0033 MU= .0006 QO= 12.43

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	31631.8	27669.0	25844.6	23322.4	20400.6	128868.3	1.75
CURVE 2	31274.8	26867.9	24819.1	22273.9	19486.1	124716.9	1.69

04FA001 OTOSKWIN RIVER BELOW BADESDAVA LAKE

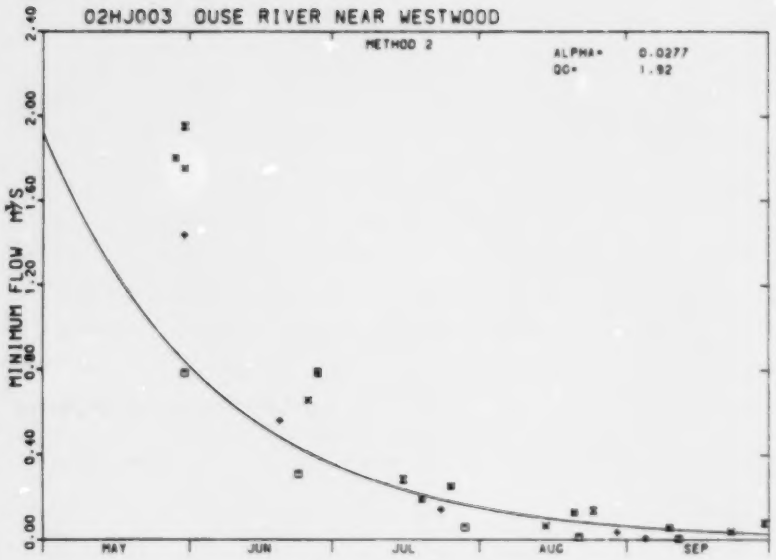
DRAINAGE AREA 9010 SQ KM REGULATED

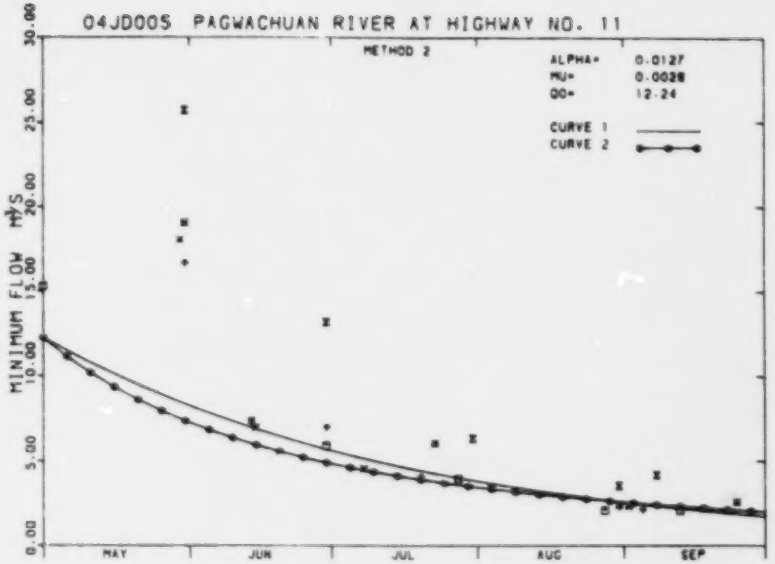
PERIOD OF RECORD 1966-80

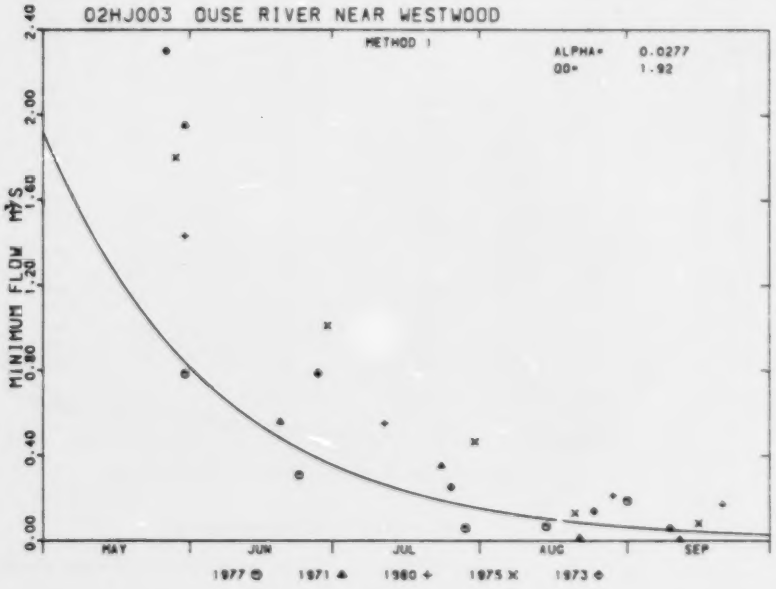
DISCHARGES IN CUBIC METRES PER SECOND

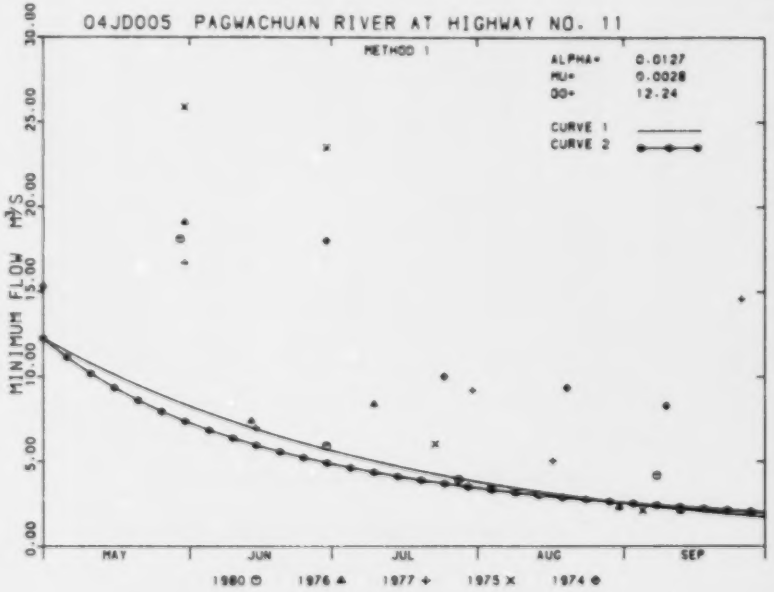
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	80.70	MAY	1970	1	35.10
1980	JUN	29	41.70	MAY	1967	1	45.30
1980	JUL	31	25.20	MAY	1974	1	52.70
1980	AUG	17	17.60	MAY	1970	1	73.90
1980	SEP	1	26.50	MAY	1980	31	60.70
1976	MAY	31	94.90	JUN	1980	29	41.70
1976	JUN	30	60.90	JUN	1976	30	60.90
1976	JUL	25	25.10	JUN	1971	30	81.60
1976	AUG	31	15.40	JUN	1973	26	81.60
1976	SEP	3	14.90	JUN	1977	16	82.10
1967	MAY	1	45.30	JUL	1976	25	25.10
1967	JUN	30	113.00	JUL	1980	31	25.20
1967	JUL	22	84.10	JUL	1975	14	60.90
1967	AUG	31	46.40	JUL	1979	12	67.00
1967	SEP	26	20.40	JUL	1972	8	73.30
1975	MAY	1	89.20	AUG	1976	31	15.40
1975	JUN	30	116.00	AUG	1980	17	17.60
1975	JUL	14	60.90	AUG	1967	31	46.40
1975	AUG	4	109.00	AUG	1971	31	60.90
1975	SEP	30	70.20	AUG	1973	6	83.00
1972	MAY	1	125.00	SEP	1976	3	14.90
1972	JUN	30	83.00	SEP	1967	26	20.40
1972	JUL	8	73.30	SEP	1980	1	26.50
1972	AUG	16	95.10	SEP	1971	28	38.20
1972	SEP	6	80.40	SEP	1975	30	70.20

ALPHA= .0156 QO= 102.08


02HJ003 OUSE RIVER NEAR WESTWOOD
METHOD 2
ALPHA= 0.0277
QO= 1.92
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


04JD005 PAGWACHUAN RIVER AT HIGHWAY NO. 11
METHOD 2
ALPHA= 0.0127
MU= 0.0028
QO= 12.24
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP


02HJ003 OUSE RIVER NEAR WESTWOOD
METHOD 1
ALPHA= 0.0277
QO= 1.92
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1977 ○ 1971 ▲ 1980 + 1975 X 1973 ◆


04JD005 PAGWACHUAN RIVER AT HIGHWAY NO. 11
METHOD 1
ALPHA= 0.0127
MU= 0.0028
QO= 12.24
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP
1980 ○ 1976 ▲ 1977 + 1975 X 1974 ◆

02HJ003 OUSE RIVER NEAR WESTWOOD

DRAINAGE AREA 282 SQ KM REGULATED

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.78	MAY	1977	31	.78
1977	JUN	24	.31	MAY	1980	31	1.43
1977	JUL	29	.06	MAY	1970	31	1.75
1977	AUG	19	.07	MAY	1975	29	1.80
1977	SEP	1	.19	MAY	1971	31	1.95
1971	MAY	31	1.99	JUN	1977	24	.31
1971	JUN	20	.56	JUN	1971	20	.56
1971	JUL	24	.35	JUN	1978	26	.66
1971	AUG	22	.02	JUN	1980	28	.78
1971	SEP	12	.01	JUN	1973	28	.79
1980	MAY	31	1.43	JUL	1977	29	.06
1980	JUN	28	.78	JUL	1979	24	.14
1980	JUL	12	.55	JUL	1978	20	.19
1980	AUG	29	.21	JUL	1973	26	.25
1980	SEP	21	.17	JUL	1976	16	.28
1975	MAY	29	1.80	AUG	1971	22	.02
1975	JUN	30	1.61	AUG	1969	30	.03
1975	JUL	31	.46	AUG	1977	15	.07
1975	AUG	21	.13	AUG	1975	21	.13
1975	SEP	16	.08	AUG	1973	25	.14
1973	MAY	27	2.30	SEP	1971	12	.01
1973	JUN	28	.79	SEP	1969	9	.01
1973	JUL	26	.25	SEP	1970	23	.04
1973	AUG	25	.14	SEP	1973	10	.06
1973	SEP	10	.06	SEP	1979	30	.08

ALPHA= .0277 QO= 1.92

04JD005 PAGWACHUAN RIVER AT HIGHWAY NO. 11

DRAINAGE AREA 2020 SQ KM NATURAL FLOW

PERIOD OF RECORD 1968-80

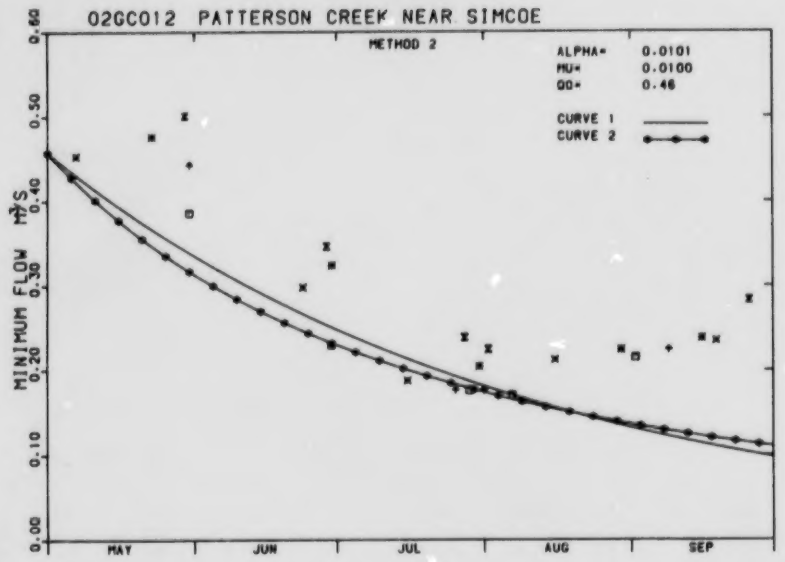
DISCHARGES IN CUBIC METRES PER SECOND

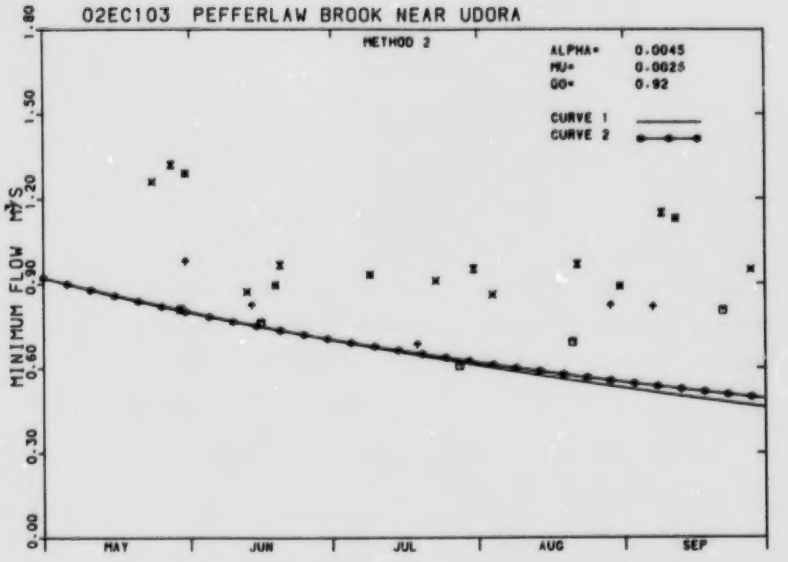
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	30	18.10	MAY	1974	1	15.30
1980	JUN	30	5.92	MAY	1977	31	16.70
1980	JUL	28	3.94	MAY	1980	30	18.10
1980	AUG	4	3.42	MAY	1976	31	19.10
1980	SEP	8	4.18	MAY	1968	31	25.70
1976	MAY	31	19.10	JUN	1980	30	5.92
1976	JUN	14	7.39	JUN	1972	30	6.99
1976	JUL	10	8.38	JUN	1977	15	6.99
1976	AUG	31	2.29	JUN	1976	14	7.39
1976	SEP	13	2.08	JUN	1970	30	13.20
1977	MAY	31	16.70	JUL	1980	28	3.94
1977	JUN	15	6.99	JUL	1979	20	4.05
1977	JUL	31	7.20	JUL	1972	8	4.56
1977	AUG	17	5.04	JUL	1975	23	6.03
1977	SEP	26	14.60	JUL	1970	31	6.31
1975	MAY	31	25.90	AUG	1970	28	2.08
1975	JUN	30	23.90	AUG	1976	31	2.29
1975	JUL	23	6.03	AUG	1975	31	2.43
1975	AUG	31	2.43	AUG	1980	4	3.42
1975	SEP	5	2.12	AUG	1978	31	3.94
1974	MAY	1	15.30	SEP	1976	13	2.08
1974	JUN	30	18.00	SEP	1975	5	2.12
1974	JUL	25	10.00	SEP	1970	2	2.36
1974	AUG	20	9.34	SEP	1978	25	2.59
1974	SEP	10	8.30	SEP	1980	8	4.18

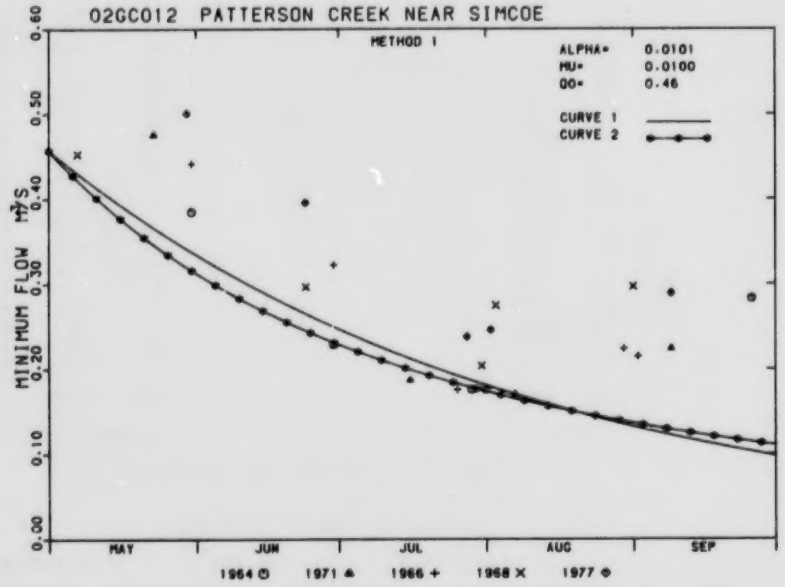
ALPHA= .0127 MU= .0028 QO= 12.24

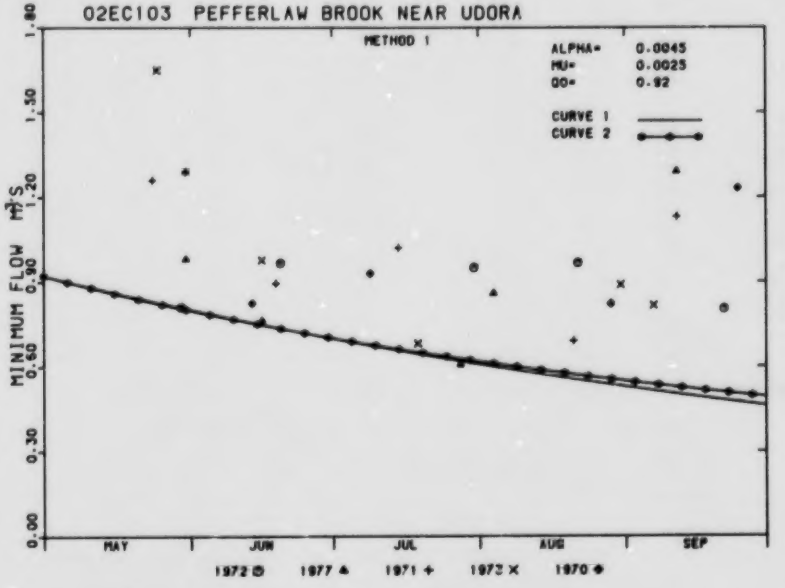
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	27085.6	17763.2	12449.2	8386.4	5499.9	71184.3	3.52
CURVE 2	25250.6	15394.7	10953.6	7960.1	5873.9	65432.9	3.24


02GC012 PATTERSON CREEK NEAR SIMCOE
METHOD 2
ALPHA= 0.0101
MU= 0.0100
QO= 0.46
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02EC103 PEFFERLAW BROOK NEAR UDORA
METHOD 2
ALPHA= 0.0045
MU= 0.0025
QO= 0.92
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.30
0.60
0.90
1.20
1.50
1.80
MAY
JUN
JUL
AUG
SEP


02GC012 PATTERSON CREEK NEAR SIMCOE
METHOD 1
ALPHA= 0.0101
MU= 0.0100
QO= 0.46
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1964 ⊙ 1971 ▲ 1966 + 1968 × 1977 ◆


02EC103 PEFFERLAW BROOK NEAR UDORA
METHOD 1
ALPHA= 0.0045
MU= 0.0025
QO= 0.92
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.30
0.60
0.90
1.20
1.50
1.80
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1977 ▲ 1971 + 1973 × 1970 ◆

02GC012 PATTERSON CREEK NEAR SIMCOE

DRAINAGE AREA 51.3 SQ KM REGULATED

PERIOD OF RECORD 1963-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	31	.385	MAY	1964	31	.385
1964	JUN	30	.229	MAY	1966	31	.442
1964	JUL	29	.176	MAY	1968	7	.453
1964	AUG	1	.176	MAY	1971	23	.476
1964	SEP	26	.283	MAY	1977	30	.501
1971	MAY	23	.476	JUN	1964	30	.229
1971	JUN	30	.229	JUN	1971	30	.229
1971	JUL	16	.187	JUN	1968	24	.297
1971	AUG	7	.170	JUN	1966	30	.323
1971	SEP	9	.224	JUN	1965	29	.345
1966	MAY	31	.442	JUL	1964	29	.176
1966	JUN	30	.323	JUL	1966	26	.176
1966	JUL	26	.176	JUL	1971	16	.187
1966	AUG	30	.224	JUL	1968	31	.204
1966	SEP	2	.215	JUL	1977	28	.238
1968	MAY	7	.453	AUG	1971	7	.170
1968	JUN	24	.297	AUG	1964	1	.176
1968	JUL	31	.204	AUG	1973	16	.212
1968	AUG	3	.275	AUG	1966	30	.224
1968	SEP	1	.297	AUG	1967	2	.224
1977	MAY	30	.501	SEP	1966	2	.215
1977	JUN	24	.396	SEP	1971	9	.224
1977	JUL	28	.238	SEP	1967	19	.235
1977	AUG	2	.246	SEP	1973	16	.238
1977	SEP	9	.289	SEP	1964	26	.283

ALPHA= .0101 MU= .0100 QO= .46

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1051.6	748.1	568.5	415.9	295.9	3080.0	6.00
CURVE 2	1012.3	693.6	534.5	412.1	318.0	2970.5	5.79

02EC103 PEFFERLAW BROOK NEAR UDORA

DRAINAGE AREA 332 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

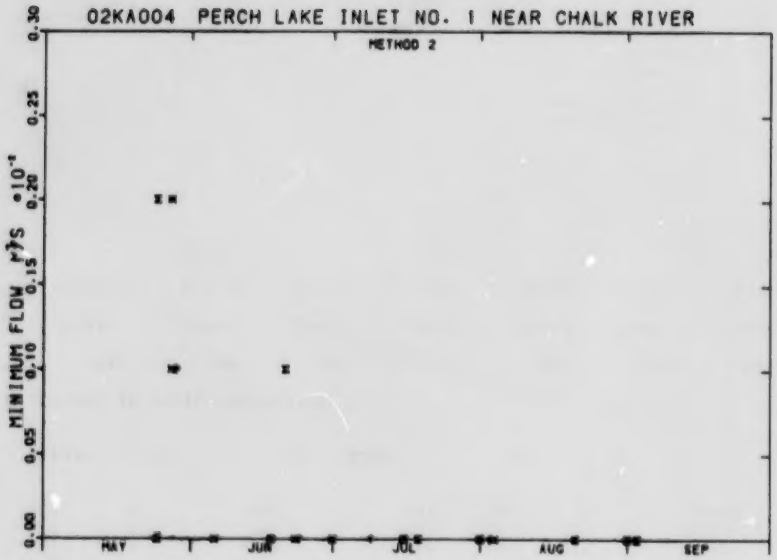
DISCHARGES IN CUBIC METRES PER SECOND

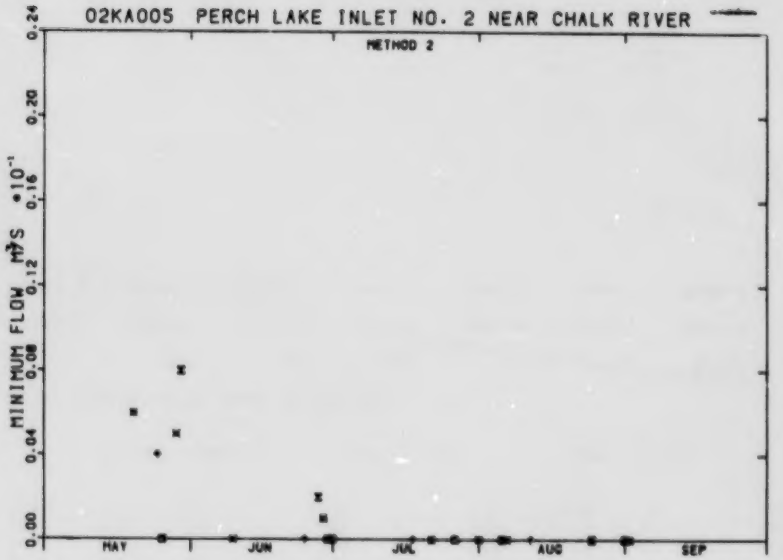
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	30	.91	MAY	1972	30	.81
1972	JUN	20	.97	MAY	1977	31	.98
1972	JUL	31	.95	MAY	1971	24	1.26
1972	AUG	22	.97	MAY	1970	31	1.29
1972	SEP	22	.80	MAY	1980	28	1.32
1977	MAY	31	.98	JUN	1977	16	.76
1977	JUN	16	.76	JUN	1970	14	.82
1977	JUL	28	.61	JUN	1976	13	.87
1977	AUG	4	.86	JUN	1971	19	.90
1977	SEP	12	1.29	JUN	1972	20	.97
1971	MAY	24	1.26	JUL	1977	28	.61
1971	JUN	19	.90	JUL	1973	19	.68
1971	JUL	15	1.02	JUL	1979	23	.91
1971	AUG	21	.69	JUL	1970	9	.93
1971	SEP	12	1.13	JUL	1972	31	.95
1973	MAY	25	1.65	AUG	1971	21	.69
1973	JUN	16	.98	AUG	1970	29	.82
1973	JUL	19	.68	AUG	1977	4	.86
1973	AUG	31	.89	AUG	1973	31	.89
1973	SEP	7	.82	AUG	1972	22	.97
1970	MAY	31	1.29	SEP	1972	22	.80
1970	JUN	14	.82	SEP	1973	7	.82
1970	JUL	9	.93	SEP	1979	28	.95
1970	AUG	29	.82	SEP	1971	12	1.13
1970	SEP	25	1.23	SEP	1976	9	1.15

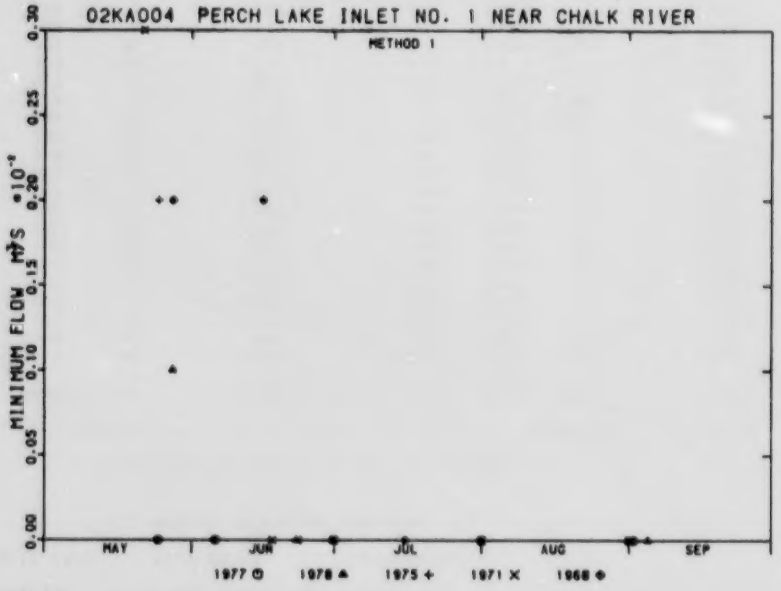
ALPHA= .0045 MU= .0025 QO= .92

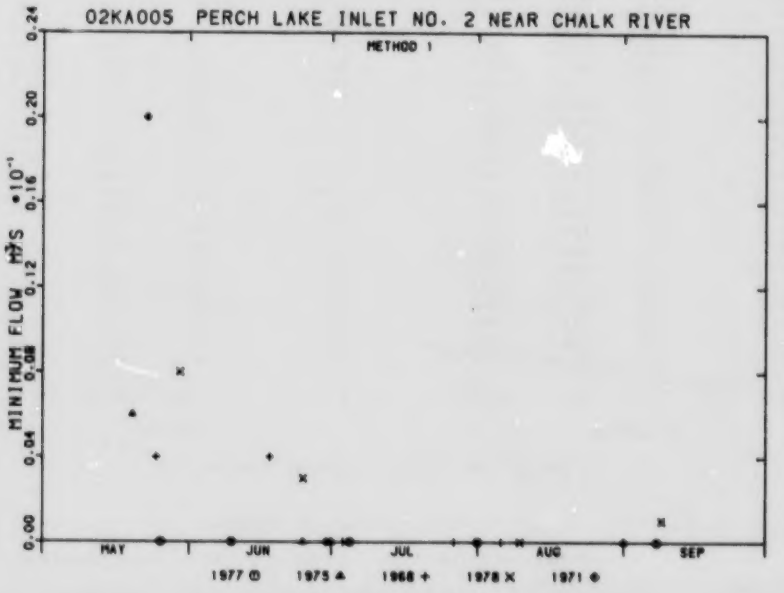
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	2302.6	1941.0	1747.3	1518.7	1280.2	8789.9	2.65
CURVE 2	2296.5	1937.9	1761.7	1558.9	1346.7	8901.7	2.68


02KA004 PERCH LAKE INLET NO. 1 NEAR CHALK RIVER
METHOD 2
MINIMUM FLOW m³/s •10⁻²
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02KA005 PERCH LAKE INLET NO. 2 NEAR CHALK RIVER
METHOD 2
MINIMUM FLOW m³/s •10⁻¹
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02KA004 PERCH LAKE INLET NO. 1 NEAR CHALK RIVER
METHOD 1
MINIMUM FLOW m³/s •10⁻²
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1978 ▲ 1975 + 1971 X 1968 ◆


02KA005 PERCH LAKE INLET NO. 2 NEAR CHALK RIVER
METHOD 1
MINIMUM FLOW m³/s •10⁻¹
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1968 + 1978 X 1971 ◆

02KA004 PERCH LAKE INLET NO. 1 NEAR CHALK RIVER

DRAINAGE AREA .98 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	25	0.000	MAY	1977	25	0.000
1977	JUN	6	0.000	MAY	1972	29	.001
1977	JUL	1	0.000	MAY	1978	28	.001
1977	AUG	1	0.000	MAY	1968	28	.002
1977	SEP	2	0.000	MAY	1975	25	.002
1978	MAY	28	.001	JUN	1971	18	0.000
1978	JUN	23	0.000	JUN	1975	24	0.000
1978	JUL	1	0.000	JUN	1977	6	0.000
1978	AUG	1	0.000	JUN	1978	23	0.000
1978	SEP	5	0.000	JUN	1969	21	.001
1975	MAY	25	.002	JUL	1968	16	0.000
1975	JUN	24	0.000	JUL	1969	9	0.000
1975	JUL	1	0.000	JUL	1971	1	0.000
1975	AUG	1	0.000	JUL	1975	1	0.000
1975	SEP	1	0.000	JUL	1976	19	0.000
1971	MAY	22	.003	AUG	1968	1	0.000
1971	JUN	18	0.000	AUG	1969	3	0.000
1971	JUL	1	0.000	AUG	1970	4	0.000
1971	AUG	1	0.000	AUG	1971	1	0.000
1971	SEP	1	0.000	AUG	1974	21	0.000
1968	MAY	28	.002	SEP	1968	1	0.000
1968	JUN	16	.002	SEP	1969	1	0.000
1968	JUL	16	0.000	SEP	1970	1	0.000
1968	AUG	1	0.000	SEP	1971	1	0.000
1968	SEP	1	0.000	SEP	1974	3	0.000

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.006	.001	0.000	0.000	0.000

02KA005 PERCH LAKE INLET NO. 2 NEAR CHALK RIVER

DRAINAGE AREA 3.44 SQ KM NATURAL FLOW

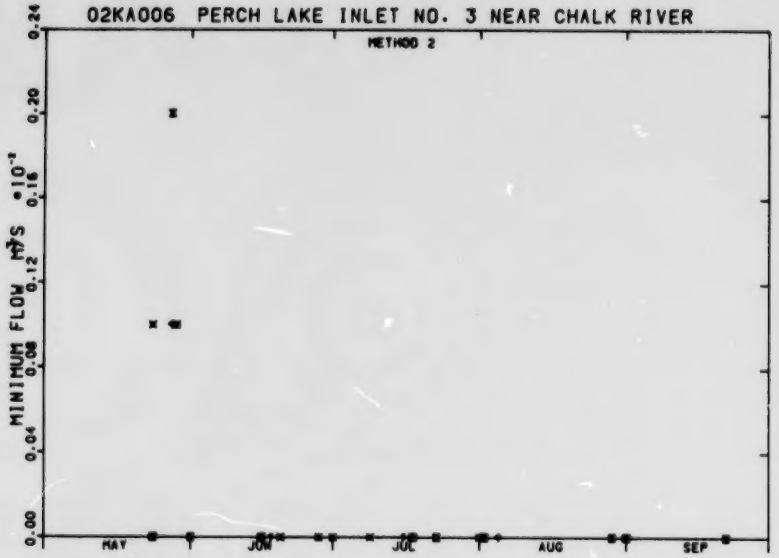
PERIOD OF RECORD 1967-80

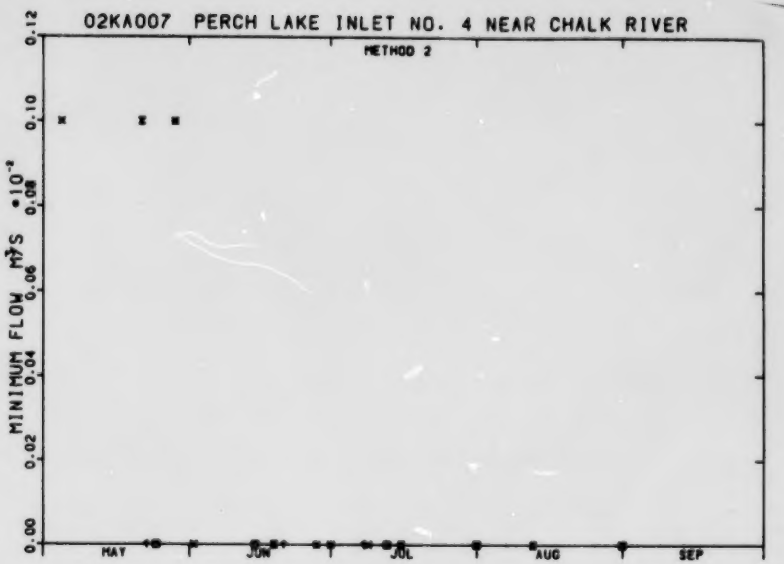
DISCHARGES IN CUBIC METRES PER SECOND

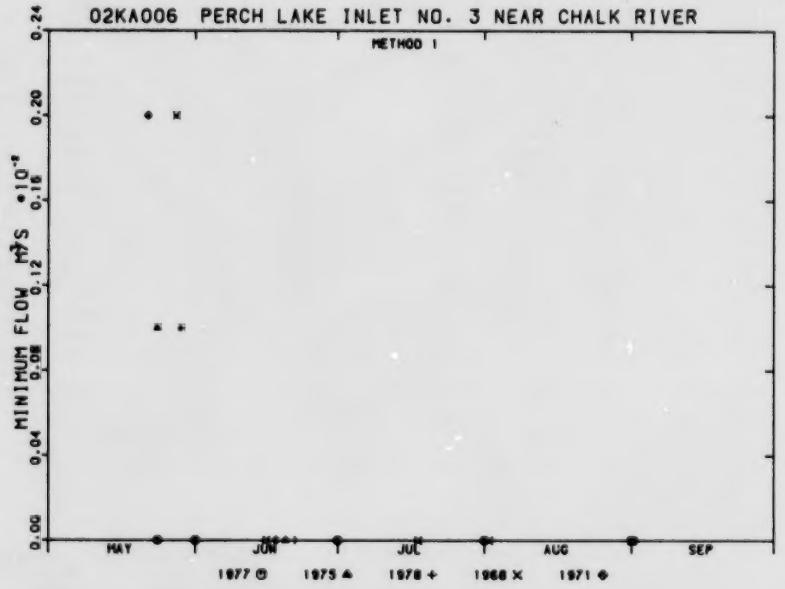
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	26	0.000	MAY	1977	26	0.000
1977	JUN	10	0.000	MAY	1968	25	.004
1977	JUL	5	0.000	MAY	1972	29	.005
1977	AUG	1	0.000	MAY	1975	20	.006
1977	SEP	8	0.000	MAY	1978	30	.008
1975	MAY	20	.006	JUN	1971	30	0.000
1975	JUN	25	0.000	JUN	1975	25	0.000
1975	JUL	1	0.000	JUN	1977	10	0.000
1975	AUG	1	0.000	JUN	1976	29	.001
1975	SEP	1	0.000	JUN	1979	28	.002
1968	MAY	25	.004	JUL	1968	27	0.000
1968	JUN	18	.004	JUL	1969	18	0.000
1968	JUL	27	0.000	JUL	1971	1	0.000
1968	AUG	6	0.000	JUL	1974	22	0.000
1968	SEP	1	0.000	JUL	1975	1	0.000
1978	MAY	30	.008	AUG	1968	6	0.000
1978	JUN	25	.003	AUG	1969	12	0.000
1978	JUL	4	0.000	AUG	1970	7	0.000
1978	AUG	10	0.000	AUG	1971	1	0.000
1978	SEP	9	.001	AUG	1974	25	0.000
1971	MAY	23	.020	SEP	1968	1	0.000
1971	JUN	30	0.000	SEP	1970	1	0.000
1971	JUL	1	0.000	SEP	1971	1	0.000
1971	AUG	1	0.000	SEP	1974	2	0.000
1971	SEP	1	0.000	SEP	1979	1	0.000

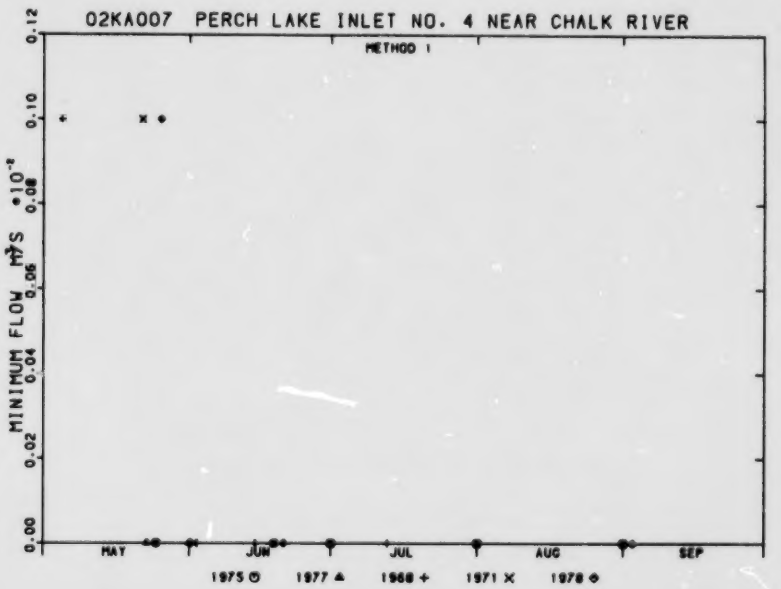
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.017	.009	0.000	0.000	0.000


02KA006 PERCH LAKE INLET NO. 3 NEAR CHALK RIVER
METHOD 2
MINIMUM FLOW m³/s •10⁻²
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02KA007 PERCH LAKE INLET NO. 4 NEAR CHALK RIVER
METHOD 2
MINIMUM FLOW m³/s •10⁻²
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP


02KA006 PERCH LAKE INLET NO. 3 NEAR CHALK RIVER
METHOD 1
MINIMUM FLOW m³/s •10⁻²
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1977
1975
1978
1968
1971


02KA007 PERCH LAKE INLET NO. 4 NEAR CHALK RIVER
METHOD 1
MINIMUM FLOW m³/s •10⁻²
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP
1975
1977
1968
1971
1978

02KA006 PERCH LAKE INLET NO. 3 NEAR CHALK RIVER

DRAINAGE AREA .70 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	24	0.000	MAY	1977	24	0.000
1977	JUN	1	0.000	MAY	1972	28	.001
1977	JUL	1	0.000	MAY	1975	24	.001
1977	AUG	1	0.000	MAY	1978	29	.001
1977	SEP	1	0.000	MAY	1968	28	.002
1975	MAY	24	.001	JUN	1968	16	0.000
1975	JUN	20	0.000	JUN	1971	18	0.000
1975	JUL	1	0.000	JUN	1975	20	0.000
1975	AUG	1	0.000	JUN	1976	28	0.000
1975	SEP	1	0.000	JUN	1977	1	0.000
1978	MAY	29	.001	JUL	1968	18	0.000
1978	JUN	22	0.000	JUL	1969	16	0.000
1978	JUL	1	0.000	JUL	1970	9	0.000
1978	AUG	1	0.000	JUL	1971	1	0.000
1978	SEP	2	0.000	JUL	1973	23	0.000
1968	MAY	28	.002	AUG	1968	2	0.000
1968	JUN	16	0.000	AUG	1969	5	0.000
1968	JUL	18	0.000	AUG	1970	1	0.000
1968	AUG	2	0.000	AUG	1971	1	0.000
1968	SEP	1	0.000	AUG	1973	29	0.000
1971	MAY	22	.002	SEP	1968	1	0.000
1971	JUN	18	0.000	SEP	1969	1	0.000
1971	JUL	1	0.000	SEP	1970	1	0.000
1971	AUG	1	0.000	SEP	1971	1	0.000
1971	SEP	1	0.000	SEP	1972	22	0.000

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.003	0.000	0.000	0.000	0.000

02KA007 PERCH LAKE INLET NO. 4 NEAR CHALK RIVER

DRAINAGE AREA .21 SQ KM NATURAL FLOW

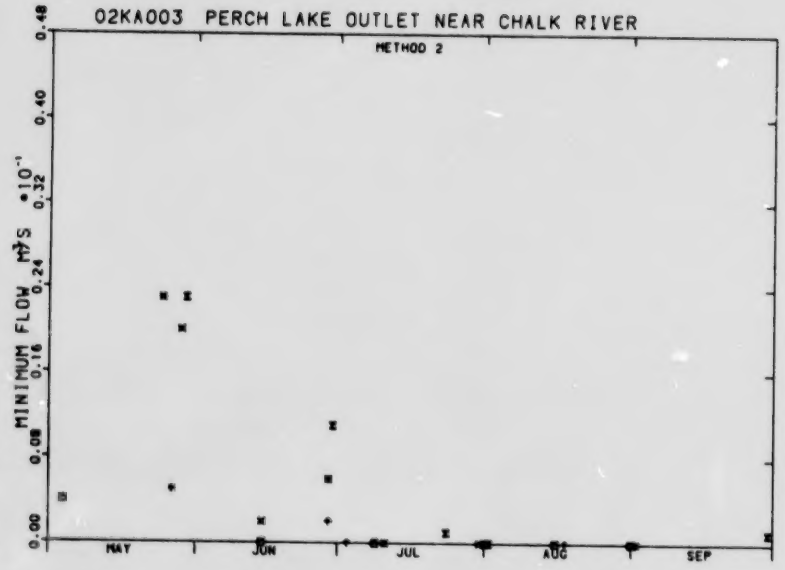
PERIOD OF RECORD 1967-80

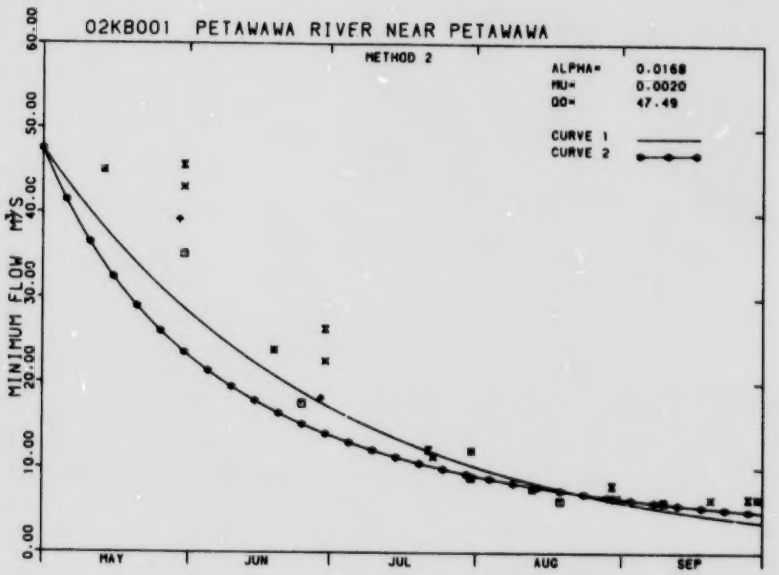
DISCHARGES IN CUBIC METRES PER SECOND

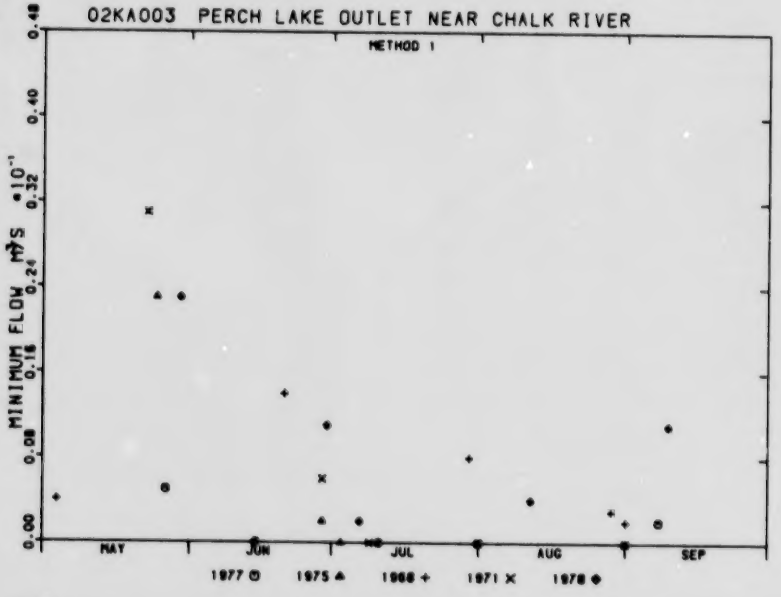
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	29	0.000	MAY	1975	29	0.000
1975	JUN	19	0.000	MAY	1977	23	0.000
1975	JUL	1	0.000	MAY	1968	5	.001
1975	AUG	1	0.000	MAY	1970	29	.001
1975	SEP	1	0.000	MAY	1971	22	.001
1977	MAY	23	0.000	JUN	1968	15	0.000
1977	JUN	1	0.000	JUN	1969	21	0.000
1977	JUL	1	0.000	JUN	1971	2	0.000
1977	AUG	1	0.000	JUN	1974	28	0.000
1977	SEP	1	0.000	JUN	1975	19	0.000
1968	MAY	5	.001	JUL	1968	13	0.000
1968	JUN	15	0.000	JUL	1969	8	0.000
1968	JUL	13	0.000	JUL	1970	9	0.000
1968	AUG	1	0.000	JUL	1971	1	0.000
1968	SEP	1	0.000	JUL	1973	16	0.000
1971	MAY	22	.001	AUG	1968	1	0.000
1971	JUN	2	0.000	AUG	1969	1	0.000
1971	JUL	1	0.000	AUG	1970	1	0.000
1971	AUG	1	0.000	AUG	1971	1	0.000
1971	SEP	1	0.000	AUG	1973	13	0.000
1978	MAY	26	.001	SEP	1968	1	0.000
1978	JUN	21	0.000	SEP	1969	1	0.000
1978	JUL	1	0.000	SEP	1970	1	0.000
1978	AUG	1	0.000	SEP	1971	1	0.000
1978	SEP	3	0.000	SEP	1973	1	0.000

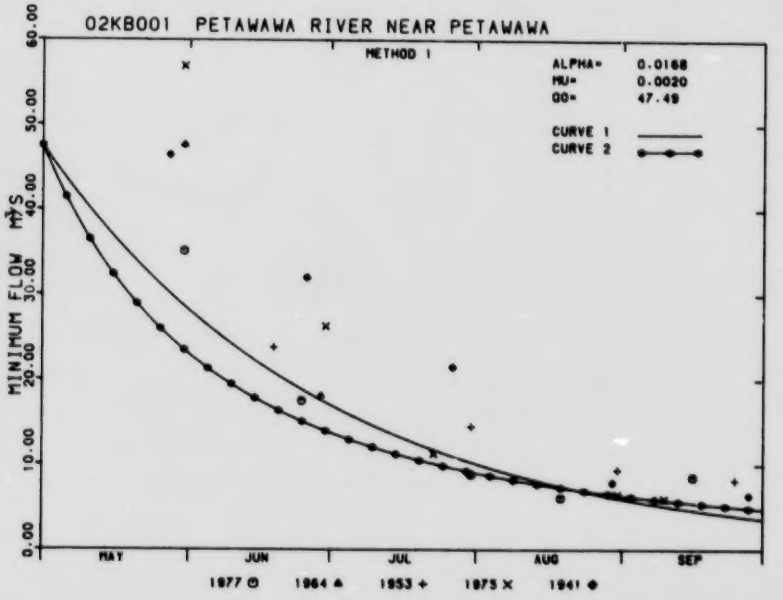
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.001	0.000	0.000	0.000	0.000


02KA003 PERCH LAKE OUTLET NEAR CHALK RIVER
METHOD 2
MINIMUM FLOW M³/S •10⁻¹
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02KB001 PETAWAWA RIVER NEAR PETAWAWA
METHOD 2
ALPHA= 0.0168
MU= 0.0020
QO= 47.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP


02KA003 PERCH LAKE OUTLET NEAR CHALK RIVER
METHOD 1
MINIMUM FLOW M³/S •10⁻¹
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1975 ▲ 1966 + 1971 × 1978 ◆


02KB001 PETAWAWA RIVER NEAR PETAWAWA
METHOD 1
ALPHA= 0.0168
MU= 0.0020
QO= 47.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
10.00
20.00
30.00
40.00
50.00
60.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1964 ▲ 1953 + 1975 × 1941 ◆

02KA009 PERCH LAKE OUTLET NEAR CHALK RIVER

DRAINAGE AREA 6.03 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	27	.005	MAY	1968	4	.004
1977	JUN	15	0.000	MAY	1977	27	.005
1977	JUL	11	0.000	MAY	1972	29	.020
1977	AUG	1	0.000	MAY	1975	25	.023
1977	SEP	8	.002	MAY	1978	30	.023
1975	MAY	25	.023	JUN	1977	15	0.000
1975	JUN	29	.002	JUN	1975	29	.002
1975	JUL	3	0.000	JUN	1979	15	.002
1975	AUG	1	0.000	JUN	1971	29	.006
1975	SEP	1	0.000	JUN	1978	30	.011
1968	MAY	4	.004	JUL	1971	9	0.000
1968	JUN	21	.014	JUL	1975	3	0.000
1968	JUL	30	.008	JUL	1976	31	0.000
1968	AUG	29	.003	JUL	1977	11	0.000
1968	SEP	1	.002	JUL	1979	24	.001
1971	MAY	23	.031	AUG	1967	16	0.000
1971	JUN	29	.006	AUG	1970	18	0.000
1971	JUL	9	0.000	AUG	1971	1	0.000
1971	AUG	1	0.000	AUG	1975	1	0.000
1971	SEP	1	0.000	AUG	1976	2	0.000
1978	MAY	30	.023	SEP	1970	1	0.000
1978	JUN	30	.011	SEP	1971	1	0.000
1978	JUL	7	.002	SEP	1975	1	0.000
1978	AUG	12	.004	SEP	1976	2	0.000
1978	SEP	10	.011	SEP	1979	30	.001

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.035	.004	0.000	0.000	0.000

02KB001 PETAWAWA RIVER NEAR PETAWAWA

DRAINAGE AREA 4120 SQ KM REGULATED

PERIOD OF RECORD 1905-80

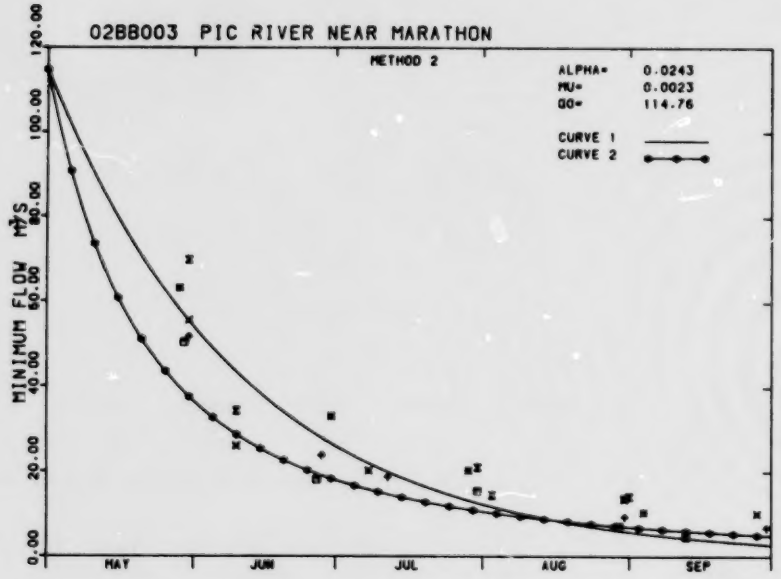
DISCHARGES IN CUBIC METRES PER SECOND

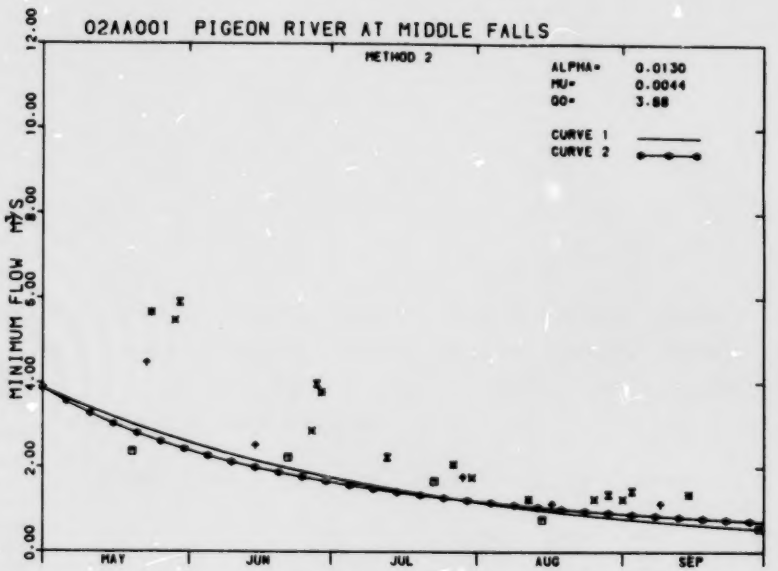
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	35.10	MAY	1977	31	35.10
1977	JUN	25	17.50	MAY	1931	30	39.10
1977	JUL	31	8.86	MAY	1968	31	43.00
1977	AUG	19	6.12	MAY	1946	14	49.00
1977	SEP	16	8.55	MAY	1935	31	49.60
1964	MAY	31	47.60	JUN	1977	25	17.50
1964	JUN	29	18.10	JUN	1964	29	18.10
1964	JUL	31	8.92	JUN	1965	30	22.50
1964	AUG	30	6.43	JUN	1953	19	23.00
1964	SEP	3	6.20	JUN	1975	30	26.30
1953	MAY	31	47.60	JUL	1977	31	8.86
1953	JUN	19	23.80	JUL	1964	31	8.92
1953	JUL	31	14.50	JUL	1975	23	11.30
1953	AUG	31	9.40	JUL	1971	31	12.00
1953	SEP	25	8.21	JUL	1978	22	12.10
1975	MAY	31	56.90	AUG	1977	19	6.12
1975	JUN	30	26.30	AUG	1964	30	6.43
1975	JUL	23	11.30	AUG	1975	31	6.48
1975	AUG	31	6.48	AUG	1963	13	7.53
1975	SEP	10	5.97	AUG	1941	30	7.93
1941	MAY	28	46.40	SEP	1975	10	5.97
1941	JUN	26	32.00	SEP	1964	3	6.20
1941	JUL	27	21.50	SEP	1962	20	6.34
1941	AUG	30	7.93	SEP	1955	30	6.40
1941	SEP	28	6.43	SEP	1941	28	6.43

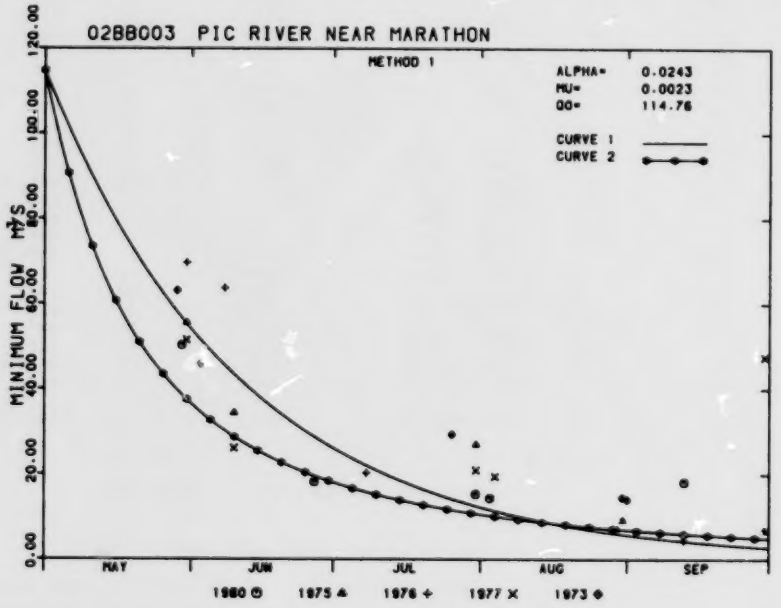
ALPHA= .0168 MU= .0020 QO= 47.49

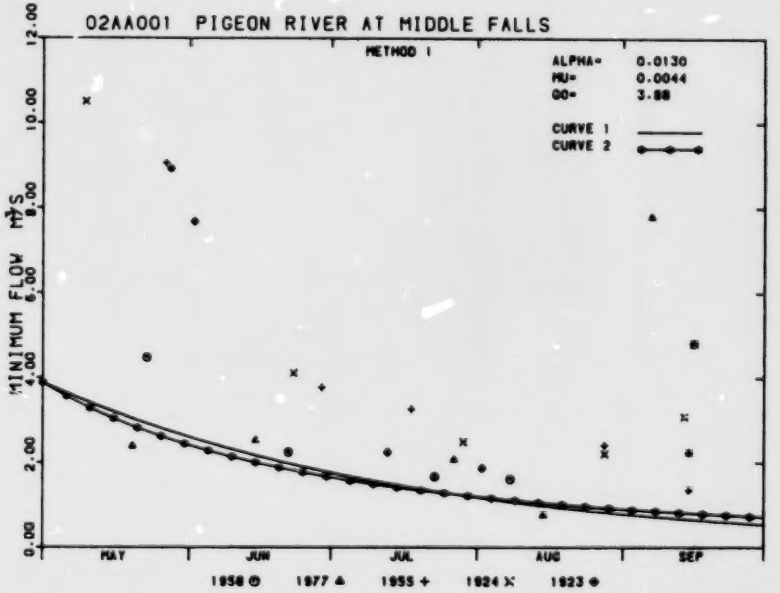
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	99099.4	57345.1	35483.5	21054.6	12183.5	225166.2	5.47
CURVE 2	88585.1	46145.1	29851.0	20316.6	14309.8	199207.5	4.84


02BB003 PIC RIVER NEAR MARATHON
METHOD 2
ALPHA= 0.0243
MU= 0.0023
QO= 114.76
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02AA001 PIGEON RIVER AT MIDDLE FALLS
METHOD 2
ALPHA= 0.0130
MU= 0.0044
QO= 3.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02BB003 PIC RIVER NEAR MARATHON
METHOD 1
ALPHA= 0.0243
MU= 0.0023
QO= 114.76
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1975 ▲ 1976 + 1977 × 1973 ◆


02AA001 PIGEON RIVER AT MIDDLE FALLS
METHOD 1
ALPHA= 0.0130
MU= 0.0044
QO= 3.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1958 ⊙ 1977 ▲ 1955 + 1924 × 1923 ◆

02BB003 PIC RIVER NEAR MARATHON

DRAINAGE AREA 4270 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	30	50.30	MAY	1980	30	50.30
1980	JUN	27	18.20	MAY	1977	31	51.50
1980	JUL	31	15.40	MAY	1975	31	55.50
1980	AUG	3	14.40	MAY	1973	29	63.10
1980	SEP	13	18.20	MAY	1976	31	69.70
1975	MAY	31	55.50	JUN	1980	27	18.20
1975	JUN	10	34.30	JUN	1972	28	23.80
1975	JUL	31	27.00	JUN	1977	10	26.10
1975	AUG	31	9.26	JUN	1971	30	33.10
1975	SEP	30	6.80	JUN	1975	10	34.30
1976	MAY	31	69.70	JUL	1980	31	15.40
1976	JUN	8	63.70	JUL	1971	12	18.70
1976	JUL	8	20.30	JUL	1976	8	20.30
1976	AUG	30	7.08	JUL	1979	29	20.30
1976	SEP	13	4.64	JUL	1977	31	21.00
1977	MAY	31	51.50	AUG	1976	30	7.08
1977	JUN	10	26.10	AUG	1975	31	9.26
1977	JUL	31	21.00	AUG	1978	31	13.50
1977	AUG	4	19.50	AUG	1971	31	13.80
1977	SEP	30	47.60	AUG	1980	3	14.40
1973	MAY	29	63.10	SEP	1976	13	4.64
1973	JUN	3	45.90	SEP	1975	30	6.80
1973	JUL	26	29.40	SEP	1978	28	10.20
1973	AUG	31	14.60	SEP	1971	4	10.40
1973	SEP	1	14.10	SEP	1973	1	14.10

ALPHA= .0243 MU= .0023 QO= 114.76

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	215844.0	99317.2	48942.3	23023.6	10594.0	397721.1	9.31
CURVE 2	173195.4	66396.9	36908.1	22870.9	15138.3	314509.7	7.37

02AA001 PIGEON RIVER AT MIDDLE FALLS

DRAINAGE AREA 1950 SQ KM NATURAL FLOW

PERIOD OF RECORD 1921-80

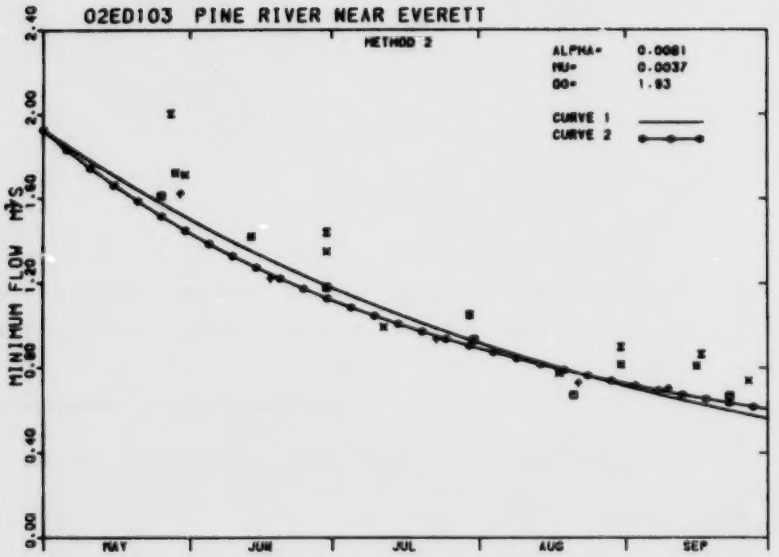
DISCHARGES IN CUBIC METRES PER SECOND

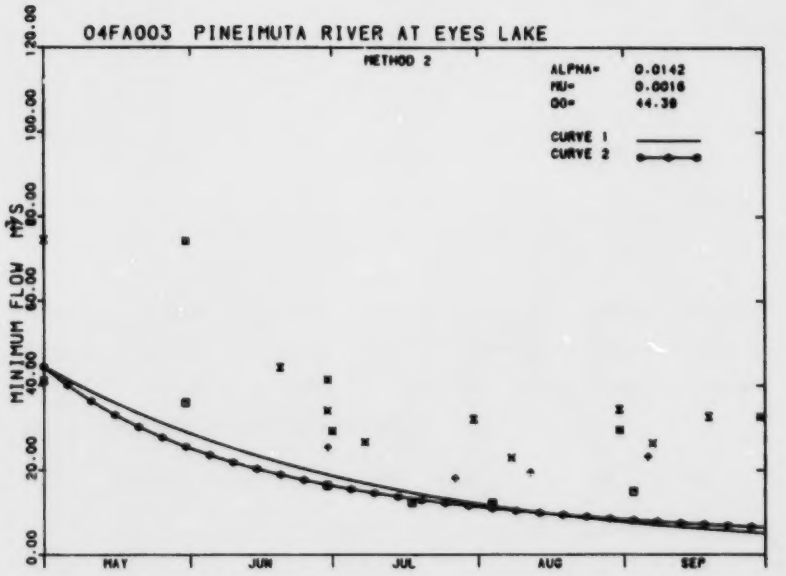
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	23	4.47	MAY	1977	20	2.38
1958	JUN	22	2.24	MAY	1958	23	4.47
1958	JUL	23	1.67	MAY	1980	29	5.47
1958	AUG	8	1.61	MAY	1925	24	5.66
1958	SEP	16	4.81	MAY	1949	30	5.89
1977	MAY	20	2.38	JUN	1958	22	2.24
1977	JUN	15	2.52	JUN	1977	15	2.52
1977	JUL	27	2.07	JUN	1980	27	2.06
1977	AUG	15	.77	JUN	1955	29	3.77
1977	SEP	7	7.79	JUN	1945	28	3.96
1955	MAY	27	9.06	JUL	1958	23	1.67
1955	JUN	29	3.77	JUL	1929	29	1.76
1955	JUL	18	3.26	JUL	1980	31	1.76
1955	AUG	28	2.41	JUL	1977	27	2.07
1955	SEP	15	1.36	JUL	1923	13	2.24
1924	MAY	10	10.50	AUG	1977	15	.77
1924	JUN	23	4.11	AUG	1930	17	1.13
1924	JUL	29	2.49	AUG	1931	26	1.25
1924	AUG	28	2.21	AUG	1980	12	1.25
1924	SEP	14	3.09	AUG	1929	29	1.36
1923	MAY	28	8.92	SEP	1976	30	.57
1923	JUN	2	7.67	SEP	1931	9	1.13
1923	JUL	13	2.24	SEP	1929	1	1.25
1923	AUG	2	1.87	SEP	1955	15	1.36
1923	SEP	15	2.24	SEP	1946	3	1.44

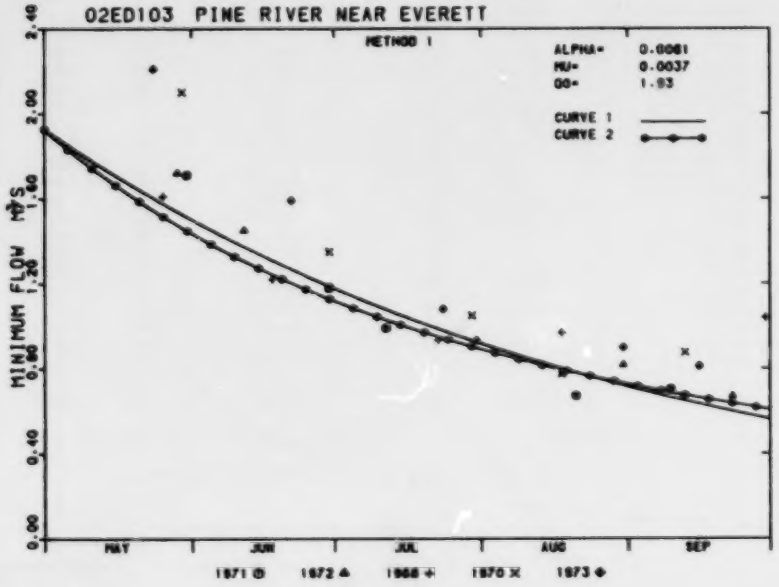
ALPHA= .0130 MU= .0044 QO= 3.88

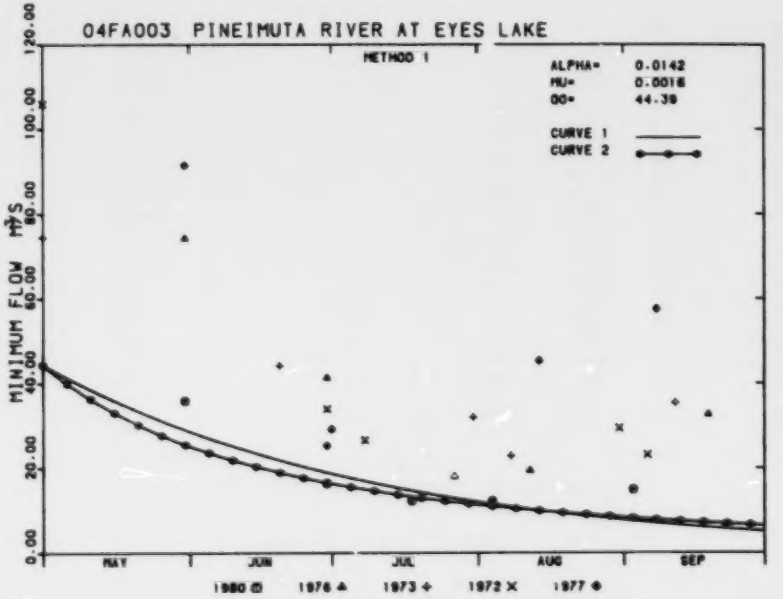
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	8559.7	5570.1	3884.8	2600.2	1604.9	22317.2	1.44
CURVE 2	6182.3	5170.2	3766.3	2784.2	2080.6	21983.6	1.42


02ED103 PINE RIVER NEAR EVERETT
METHOD 2
ALPHA= 0.0081
MU= 0.0037
QO= 1.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


04FA003 PINEIMUTA RIVER AT EYES LAKE
METHOD 2
ALPHA= 0.0142
MU= 0.0016
QO= 44.38
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02ED103 PINE RIVER NEAR EVERETT
METHOD 1
ALPHA= 0.0081
MU= 0.0037
QO= 1.93
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971 ⊡ 1972 △ 1968 + 1970 X 1973 ◆


04FA003 PINEIMUTA RIVER AT EYES LAKE
METHOD 1
ALPHA= 0.0142
MU= 0.0016
QO= 44.38
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1980 ⊡ 1976 △ 1973 + 1972 X 1977 ◆

02ED103 PINE RIVER NEAR EVERETT

DRAINAGE AREA 195 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	31	1.71	MAY	1968	26	1.61
1971	JUN	30	1.18	MAY	1980	30	1.62
1971	JUL	12	.99	MAY	1971	31	1.71
1971	AUG	21	.67	MAY	1972	29	1.72
1971	SEP	10	.78	MAY	1975	28	2.00
1972	MAY	29	1.72	JUN	1971	30	1.18
1972	JUN	12	1.45	JUN	1968	18	1.22
1972	JUL	31	.93	JUN	1970	30	1.35
1972	AUG	31	.82	JUN	1980	14	1.42
1972	SEP	23	.67	JUN	1975	30	1.44
1968	MAY	26	1.61	JUL	1972	31	.93
1968	JUN	18	1.22	JUL	1968	23	.93
1968	JUL	23	.93	JUL	1971	12	.99
1968	AUG	18	.97	JUL	1970	30	1.05
1968	SEP	30	1.04	JUL	1979	30	1.05
1970	MAY	30	2.10	AUG	1971	21	.67
1970	JUN	30	1.35	AUG	1974	22	.73
1970	JUL	30	1.05	AUG	1970	18	.78
1970	AUG	18	.78	AUG	1972	31	.82
1970	SEP	13	.88	AUG	1973	31	.90
1973	MAY	24	2.21	SEP	1972	23	.67
1973	JUN	22	1.59	SEP	1971	10	.70
1973	JUL	24	1.08	SEP	1979	27	.74
1973	AUG	31	.90	SEP	1973	16	.81
1973	SEP	16	.81	SEP	1974	17	.86

ALPHA= .0081 MU= .0037 QO= 1.93

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	4566.3	3494.5	2791.5	2173.8	1644.6	14630.8	7.50
CURVE 2	4494.7	3285.7	2674.8	2154.1	1719.7	14288.9	7.33

04FA003 PINEINUTA RIVER AT EYES LAKE

DRAINAGE AREA 4900 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

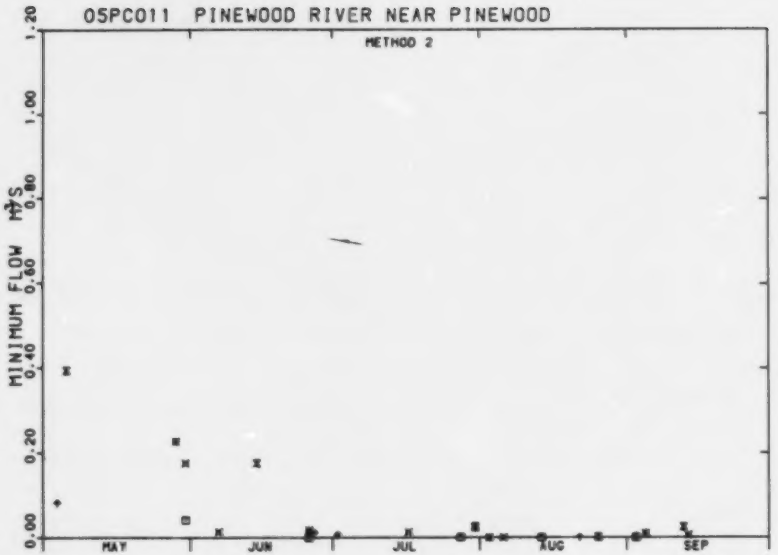
DISCHARGES IN CUBIC METRES PER SECOND

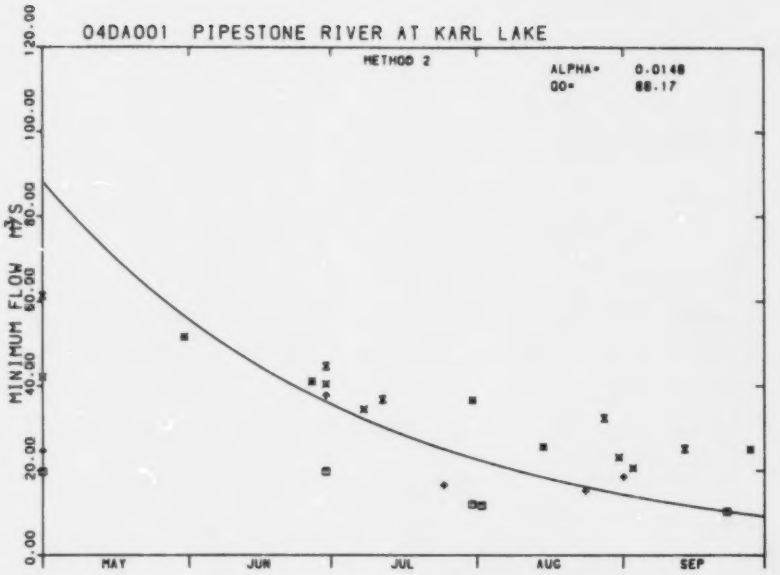
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	39.90	MAY	1980	31	39.90
1980	JUN	30	16.40	MAY	1978	1	40.80
1980	JUL	18	12.30	MAY	1974	1	41.10
1980	AUG	4	12.20	MAY	1976	31	74.20
1980	SEP	3	14.90	MAY	1973	1	74.50
1976	MAY	31	74.20	JUN	1980	30	16.40
1976	JUN	30	41.30	JUN	1977	30	29.30
1976	JUL	27	18.00	JUN	1972	30	34.00
1976	AUG	12	19.40	JUN	1976	30	41.30
1976	SEP	19	32.60	JUN	1973	20	44.20
1973	MAY	1	74.50	JUL	1980	18	12.30
1973	JUN	20	44.20	JUL	1976	27	18.00
1973	JUL	31	32.00	JUL	1972	8	26.60
1973	AUG	8	22.90	JUL	1977	1	29.20
1973	SEP	12	35.40	JUL	1973	31	32.00
1972	MAY	1	106.00	AUG	1980	4	12.20
1972	JUN	30	34.00	AUG	1976	12	19.40
1972	JUL	8	26.60	AUG	1973	8	22.90
1972	AUG	31	29.40	AUG	1972	31	29.40
1972	SEP	6	23.10	AUG	1971	31	34.30
1977	MAY	31	91.50	SEP	1980	3	14.90
1977	JUN	30	25.30	SEP	1972	6	23.10
1977	JUL	1	29.20	SEP	1971	7	26.30
1977	AUG	14	49.30	SEP	1975	30	32.60
1977	SEP	8	57.50	SEP	1976	19	32.60

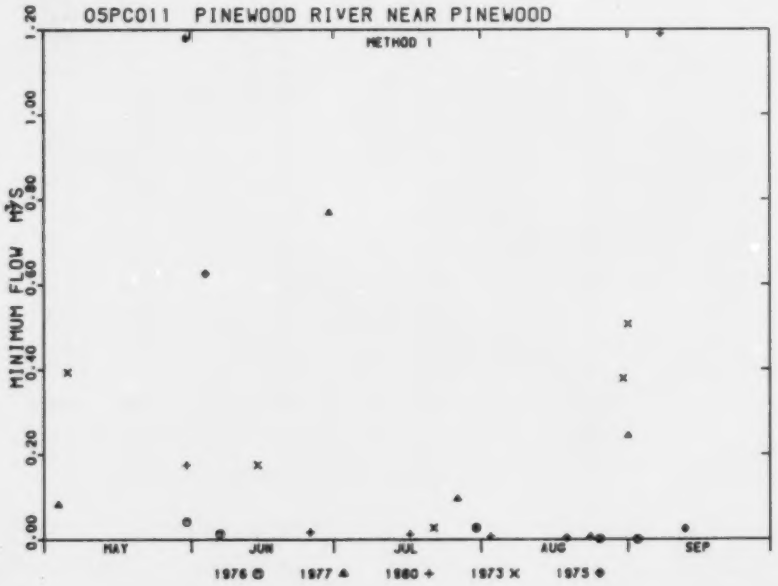
ALPHA= .0142 MU= .0016 QO= 44.39

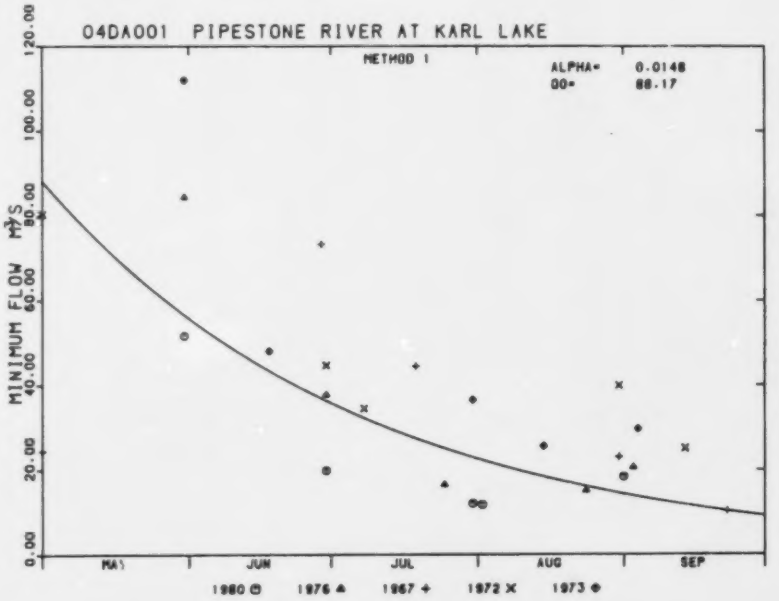
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	96196.9	68353.7	48473.6	26067.2	16354.5	239446.0	4.89
CURVE 2	89466.0	52932.3	36514.6	26091.9	19019.6	223644.3	4.56


05PC011 PINEWOOD RIVER NEAR PINEWOOD
METHOD 2
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


04DA001 PIPESTONE RIVER AT KARL LAKE
METHOD 2
ALPHA= 0.0148
QO= 88.17
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


05PC011 PINEWOOD RIVER NEAR PINEWOOD
METHOD 1
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1976 ⊡
1977 ▲
1980 +
1973 ×
1975 ◆


04DA001 PIPESTONE RIVER AT KARL LAKE
METHOD 1
ALPHA= 0.0148
QO= 88.17
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1980 ⊡
1976 ▲
1967 +
1972 ×
1973 ◆

05PC011 PINEWOOD RIVER NEAR PINEWOOD

DRAINAGE AREA 461 SQ KM NATURAL FLOW

PERIOD OF RECORD 1951-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	31	.042	MAY	1976	31	.042
1976	JUN	7	.014	MAY	1977	4	.082
1976	JUL	31	.028	MAY	1980	31	.176
1976	AUG	26	.001	MAY	1958	29	.227
1976	SEP	3	0.000	MAY	1973	6	.394
1977	MAY	4	.082	JUN	1969	26	0.000
1977	JUN	30	.770	JUN	1961	27	.011
1977	JUL	27	.096	JUN	1976	7	.014
1977	AUG	24	.006	JUN	1980	26	.018
1977	SEP	1	.244	JUN	1973	15	.176
1980	MAY	31	.176	JUL	1974	28	.001
1980	JUN	26	.018	JUL	1961	2	.006
1980	JUL	17	.013	JUL	1980	17	.013
1980	AUG	3	.007	JUL	1959	31	.023
1980	SEP	8	1.190	JUL	1975	31	.026
1973	MAY	6	.394	AUG	1961	14	0.000
1973	JUN	15	.176	AUG	1965	22	0.000
1973	JUL	22	.028	AUG	1970	6	0.000
1973	AUG	31	.379	AUG	1974	3	0.000
1973	SEP	1	.507	AUG	1976	26	.001
1975	MAY	31	1.180	SEP	1976	3	0.000
1975	JUN	4	.626	SEP	1967	3	.003
1975	JUL	31	.026	SEP	1963	14	.006
1975	AUG	19	.003	SEP	1972	5	.010
1975	SEP	13	.025	SEP	1975	13	.025

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.754	.085	.049	.014	0.000

04DA001 PIPESTONE RIVER AT KARL LAKE

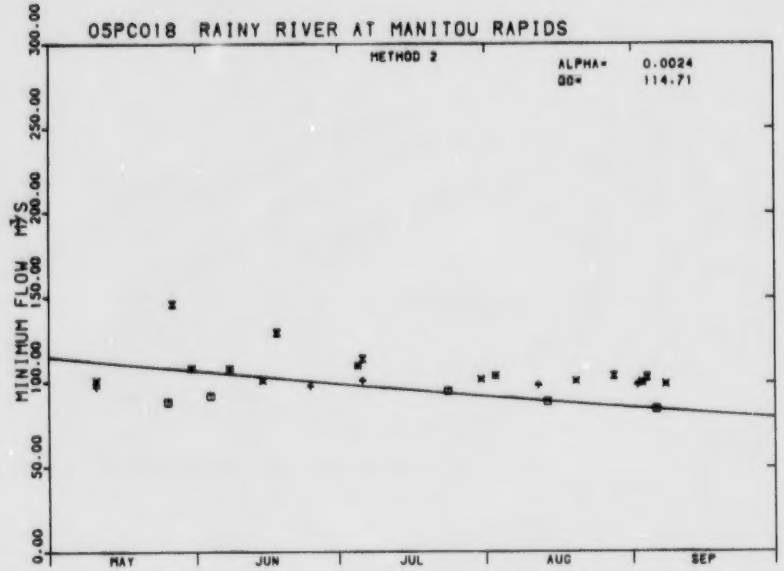
DRAINAGE AREA 5960 SQ KM NATURAL FLOW

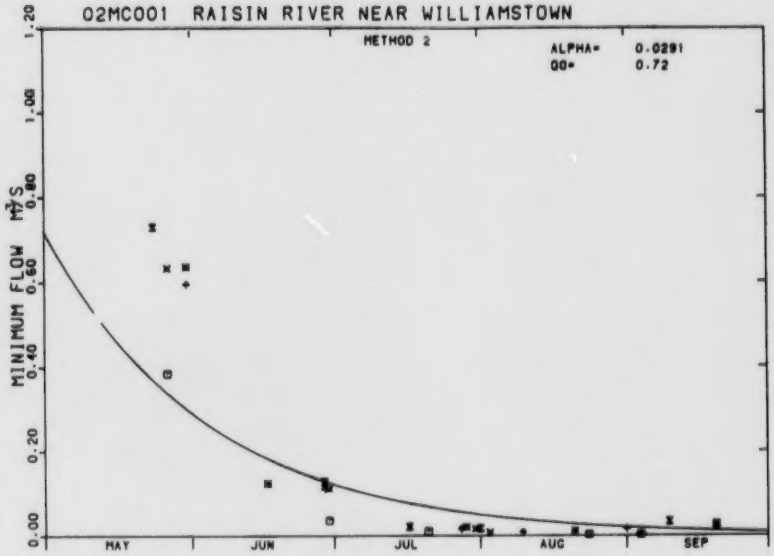
PERIOD OF RECORD 1966-80

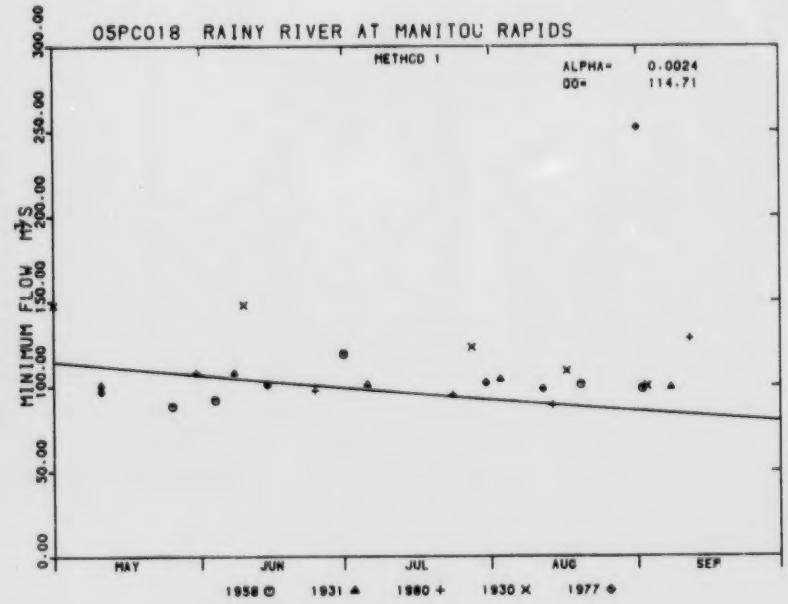
DISCHARGES IN CUBIC METRES PER SECOND

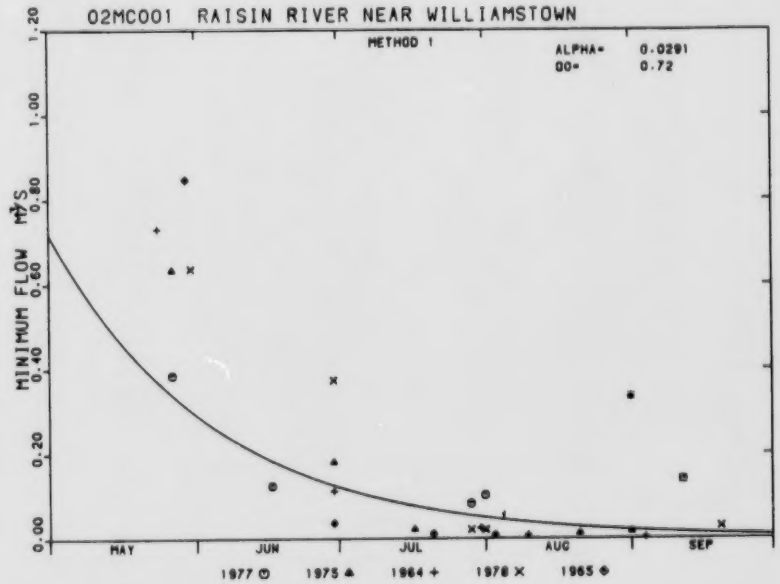
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	51.70	MAY	1978	1	19.70
1980	JUN	30	19.90	MAY	1967	1	24.50
1980	JUL	31	12.10	MAY	1974	1	42.20
1980	AUG	2	11.80	MAY	1980	31	51.70
1980	SEP	1	18.40	MAY	1970	1	61.40
1976	MAY	31	84.40	JUN	1980	30	19.90
1976	JUN	30	37.70	JUN	1976	30	37.70
1976	JUL	25	16.50	JUN	1977	30	40.50
1976	AUG	24	15.10	JUN	1971	27	41.10
1976	SEP	3	20.60	JUN	1972	30	44.70
1967	MAY	1	24.50	JUL	1980	31	12.10
1967	JUN	29	73.30	JUL	1976	25	16.50
1967	JUL	19	44.50	JUL	1972	8	34.50
1967	AUG	31	23.10	JUL	1973	31	36.50
1967	SEP	23	10.30	JUL	1979	12	36.80
1972	MAY	1	80.40	AUG	1980	2	11.80
1972	JUN	30	44.70	AUG	1976	24	15.10
1972	JUL	8	34.50	AUG	1967	31	23.10
1972	AUG	31	39.90	AUG	1973	15	25.60
1972	SEP	14	25.10	AUG	1970	28	32.30
1973	MAY	31	112.00	SEP	1967	23	10.30
1973	JUN	18	48.10	SEP	1980	1	18.40
1973	JUL	31	36.50	SEP	1976	3	20.60
1973	AUG	15	25.60	SEP	1971	28	25.00
1973	SEP	4	29.70	SEP	1972	14	25.10

ALPHA= .0148 QO= 88.17


05PC018 RAINY RIVER AT MANITOU RAPIDS
METHOD 2
ALPHA= 0.0024
QO= 114.71
MINIMUM FLOW M³/S
300.00
250.00
200.00
150.00
100.00
50.00
0.00
MAY
JUN
JUL
AUG
SEP


02MC001 RAISIN RIVER NEAR WILLIAMSTOWN
METHOD 2
ALPHA= 0.0291
QO= 0.72
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


05PC018 RAINY RIVER AT MANITOU RAPIDS
METHOD 1
ALPHA= 0.0024
QO= 114.71
MINIMUM FLOW M³/S
300.00
250.00
200.00
150.00
100.00
50.00
0.00
MAY
JUN
JUL
AUG
SEP
1958 ○ 1931 ▲ 1980 + 1930 X 1977 ◆


02MC001 RAISIN RIVER NEAR WILLIAMSTOWN
METHOD 1
ALPHA= 0.0291
QO= 0.72
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1977 ○ 1975 ▲ 1964 + 1978 X 1965 ◆

05PC018 RAINY RIVER AT MANITOU RAPIDS

DRAINAGE AREA 50200 SQ KM REGULATED

PERIOD OF RECORD 1928-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	26	88.30	MAY	1958	26	88.30
1958	JUN	4	92.00	MAY	1977	11	97.10
1958	JUL	1	119.00	MAY	1931	11	101.00
1958	AUG	20	101.00	MAY	1980	31	108.00
1958	SEP	2	98.50	MAY	1952	27	146.00
1931	MAY	11	101.00	JUN	1958	4	92.00
1931	JUN	8	108.00	JUN	1980	25	97.70
1931	JUL	6	101.00	JUN	1977	15	101.00
1931	AUG	3	104.00	JUN	1931	8	108.00
1931	SEP	8	99.10	JUN	1940	18	129.00
1980	MAY	31	108.00	JUL	1980	24	95.10
1980	JUN	25	97.70	JUL	1931	6	101.00
1980	JUL	24	95.10	JUL	1977	31	102.00
1980	AUG	14	88.90	JUL	1961	5	110.00
1980	SEP	12	128.00	JUL	1959	6	114.00
1930	MAY	1	148.00	AUG	1980	14	88.90
1930	JUN	10	148.00	AUG	1977	12	98.30
1930	JUL	28	123.00	AUG	1958	20	101.00
1930	AUG	17	109.00	AUG	1931	3	104.00
1930	SEP	3	100.00	AUG	1933	28	104.00
1977	MAY	11	97.10	SEP	1955	6	84.40
1977	JUN	15	101.00	SEP	1958	2	98.50
1977	JUL	31	102.00	SEP	1931	8	99.10
1977	AUG	12	98.30	SEP	1930	3	100.00
1977	SEP	1	252.00	SEP	1945	4	103.00

ALPHA= .0024 QO= 114.71

02MC001 RAISIN RIVER NEAR WILLIAMSTOWN

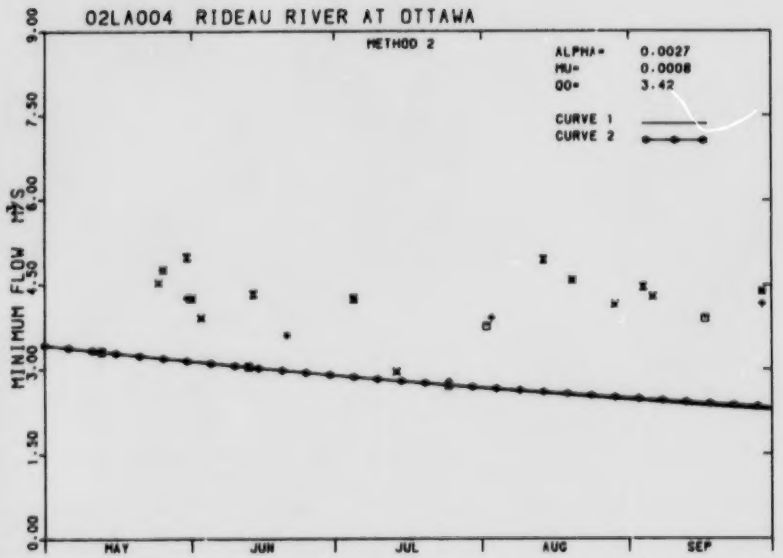
DRAINAGE AREA 404 SQ KM NATURAL FLOW

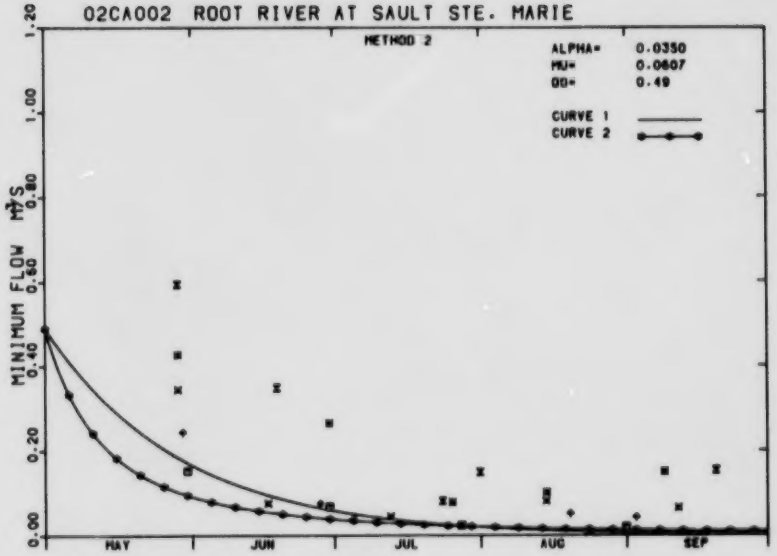
PERIOD OF RECORD 1960-80

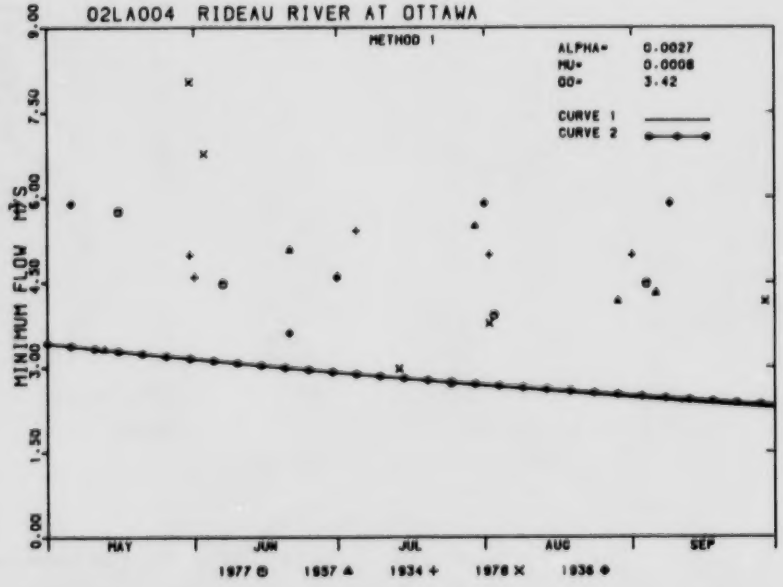
DISCHARGES IN CUBIC METRES PER SECOND

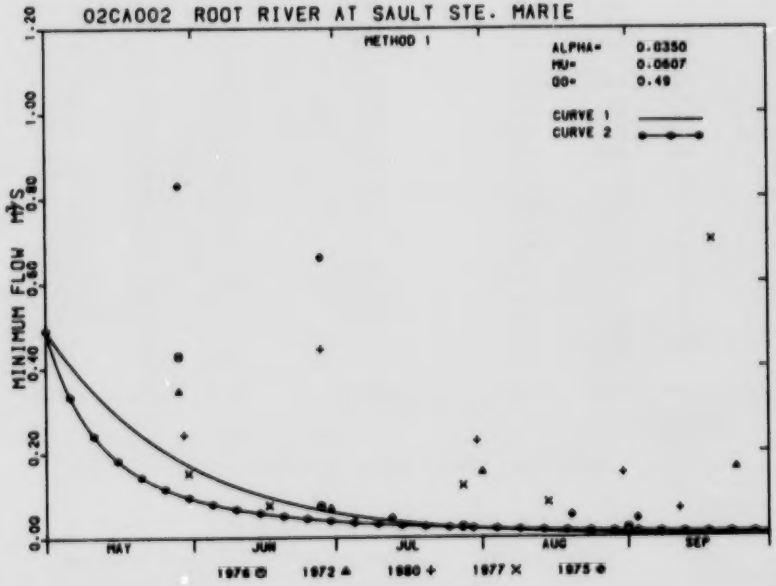
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	27	.385	MAY	1977	27	.385
1977	JUN	17	.125	MAY	1962	31	.595
1977	JUL	29	.082	MAY	1975	27	.634
1977	AUG	1	.102	MAY	1978	31	.637
1977	SEP	12	.139	MAY	1964	24	.731
1975	MAY	27	.634	JUN	1965	30	.037
1975	JUN	30	.181	JUN	1970	29	.110
1975	JUL	17	.022	JUN	1964	30	.113
1975	AUG	21	.012	JUN	1977	17	.125
1975	SEP	1	.016	JUN	1980	29	.129
1964	MAY	24	.731	JUL	1965	21	.011
1964	JUN	30	.113	JUL	1980	28	.016
1964	JUL	31	.025	JUL	1979	31	.017
1964	AUG	10	.008	JUL	1978	29	.021
1964	SEP	4	.003	JUL	1975	17	.022
1978	MAY	31	.637	AUG	1980	24	.003
1978	JUN	30	.374	AUG	1964	10	.008
1978	JUL	29	.021	AUG	1965	3	.008
1978	AUG	1	.021	AUG	1975	21	.012
1978	SEP	20	.028	AUG	1979	1	.018
1965	MAY	30	.847	SEP	1964	4	.003
1965	JUN	30	.037	SEP	1975	1	.016
1965	JUL	21	.011	SEP	1967	20	.023
1965	AUG	3	.008	SEP	1978	20	.028
1965	SEP	1	.334	SEP	1971	10	.034

ALPHA= .0291 QO= .72


02LA004 RIDEAU RIVER AT OTTAWA
METHOD 2
ALPHA= 0.0027
MU= 0.0008
QO= 3.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
9.00
7.50
6.00
4.50
3.00
1.50
0.00
MAY
JUN
JUL
AUG
SEP


02CA002 ROOT RIVER AT SAULT STE. MARIE
METHOD 2
ALPHA= 0.0350
MU= 0.0607
QO= 0.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


02LA004 RIDEAU RIVER AT OTTAWA
METHOD 1
ALPHA= 0.0027
MU= 0.0008
QO= 3.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
9.00
7.50
6.00
4.50
3.00
1.50
0.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1957 ▲ 1934 + 1978 × 1936 ◆


02CA002 ROOT RIVER AT SAULT STE. MARIE
METHOD 1
ALPHA= 0.0350
MU= 0.0607
QO= 0.49
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1976 ⊙ 1972 ▲ 1980 + 1977 × 1975 ◆

02LA004 RIDEAU RIVER AT OTTAWA

DRAINAGE AREA 3630 SQ KM REGULATED

PERIOD OF RECORD 1901-70

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	16	5.75	MAY	1957	13	3.31
1977	JUN	7	4.47	MAY	1941	31	4.25
1977	JUL	25	2.72	MAY	1955	25	4.53
1977	AUG	3	3.91	MAY	1962	26	4.76
1977	SEP	4	4.47	MAY	1934	31	4.98
1957	MAY	13	3.31	JUN	1980	13	3.05
1957	JUN	21	5.07	JUN	1936	21	3.60
1957	JUL	30	5.49	JUN	1935	3	3.91
1957	AUG	29	4.16	JUN	1941	1	4.25
1957	SEP	6	4.30	JUN	1960	14	4.33
1934	MAY	31	4.98	JUL	1977	25	2.72
1934	JUN	1	4.59	JUL	1979	25	2.78
1934	JUL	5	5.41	JUL	1978	14	2.97
1934	AUG	2	4.98	JUL	1938	5	4.25
1934	SEP	1	4.98	JUL	1960	5	4.25
1978	MAY	31	6.04	AUG	1978	2	3.77
1978	JUN	3	6.77	AUG	1977	3	3.91
1978	JUL	14	2.97	AUG	1957	29	4.16
1978	AUG	2	3.77	AUG	1975	20	4.59
1978	SEP	29	4.16	AUG	1980	14	4.95
1936	MAY	6	5.89	SEP	1956	17	3.91
1936	JUN	21	3.60	SEP	1978	29	4.16
1936	JUL	1	4.59	SEP	1957	6	4.30
1936	AUG	1	5.89	SEP	1969	29	4.39
1936	SEP	9	5.89	SEP	1977	4	4.47

ALPHA= .0027 MU= .0000 QO= 3.42

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	8787.7	7836.0	7461.2	6865.8	6122.2	37073.0	.97
CURVE 2	8778.1	7828.0	7478.2	6929.5	6231.6	37241.5	.97

02CA002 ROOT RIVER AT SAULT STE. MARIE

DRAINAGE AREA 108 SQ KM NATURAL FLOW

PERIOD OF RECORD 1971-80

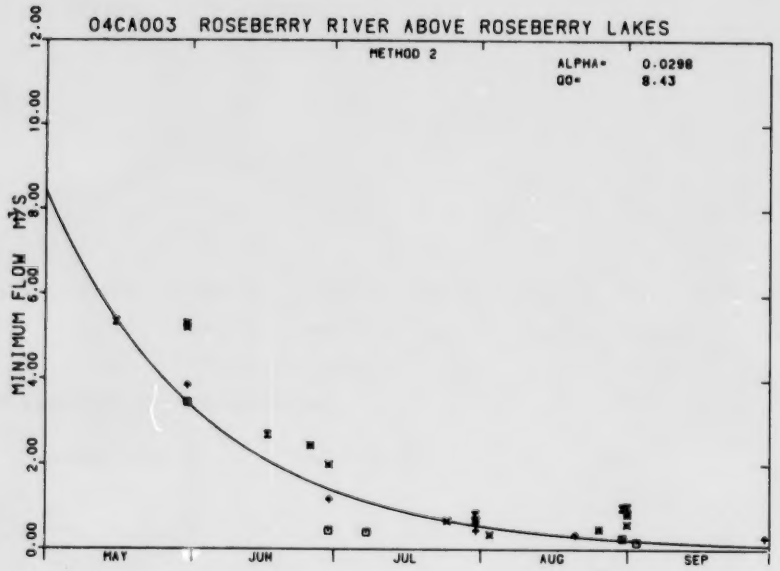
DISCHARGES IN CUBIC METRES PER SECOND

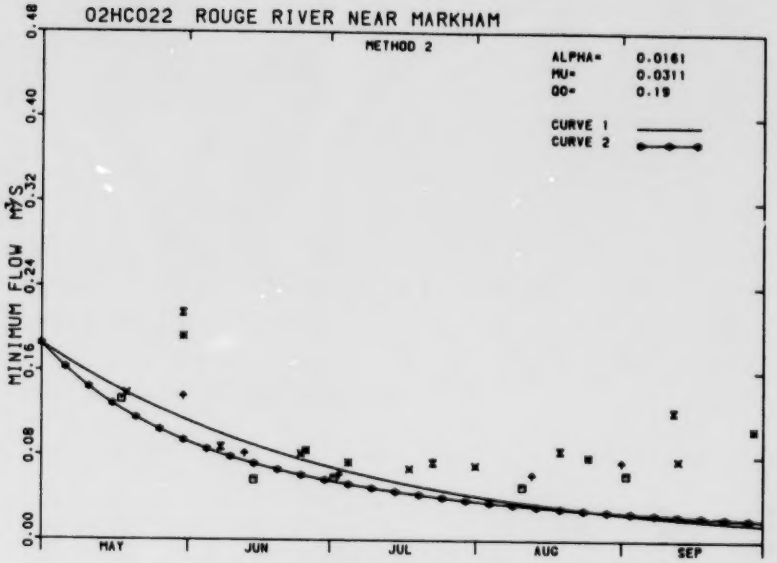
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	29	.428	MAY	1977	31	.153
1976	JUN	28	.074	MAY	1980	30	.243
1976	JUL	28	.024	MAY	1972	29	.349
1976	AUG	24	.008	MAY	1976	29	.428
1976	SEP	1	.020	MAY	1978	29	.595
1972	MAY	29	.345	JUN	1972	30	.068
1972	JUN	30	.068	JUN	1976	28	.074
1972	JUL	5	.037	JUN	1977	17	.076
1972	AUG	1	.153	JUN	1978	30	.286
1972	SEP	24	.161	JUN	1979	19	.350
1980	MAY	30	.243	JUL	1976	28	.024
1980	JUN	28	.444	JUL	1972	5	.037
1980	JUL	31	.227	JUL	1975	13	.045
1980	AUG	31	.151	JUL	1973	26	.079
1980	SEP	12	.065	JUL	1979	24	.082
1977	MAY	31	.153	AUG	1976	24	.008
1977	JUN	17	.076	AUG	1975	20	.051
1977	JUL	28	.122	AUG	1977	15	.082
1977	AUG	15	.082	AUG	1978	15	.102
1977	SEP	19	.699	AUG	1974	1	.150
1975	MAY	29	.830	SEP	1976	1	.020
1975	JUN	28	.660	SEP	1975	3	.042
1975	JUL	13	.045	SEP	1980	12	.065
1975	AUG	20	.051	SEP	1974	9	.150
1975	SEP	3	.042	SEP	1973	20	.195

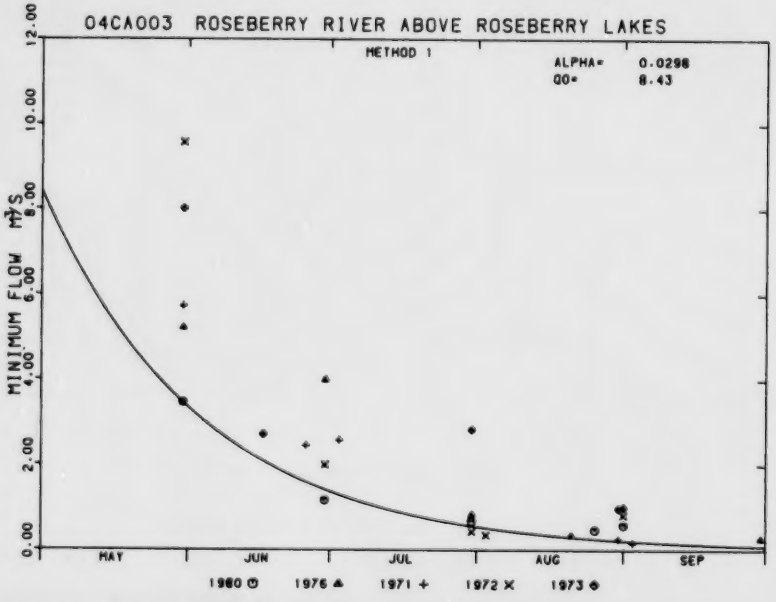
ALPHA= .0350 MU= .0607 QO= .49

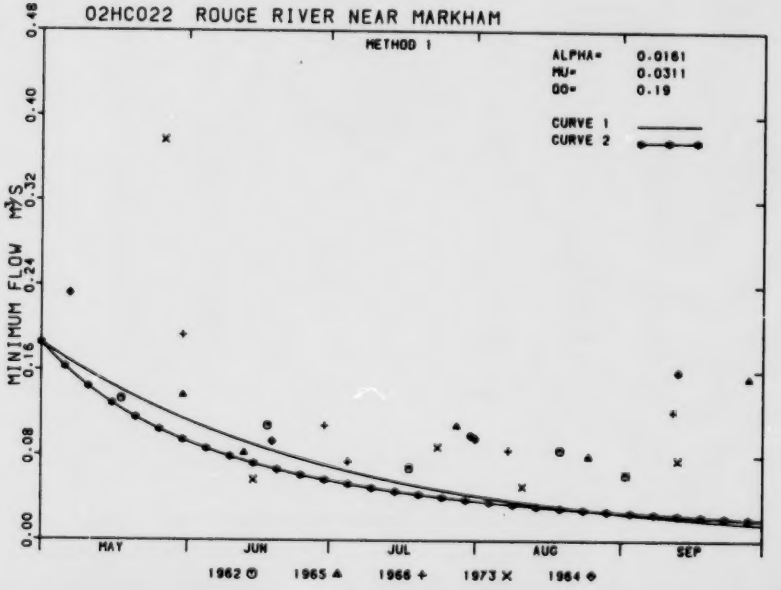
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	688.9	269.8	94.8	32.1	10.6	1203.9	1.11
CURVE 2	566.2	192.7	74.5	43.0	27.2	863.6	.80


04CA003 ROSEBERRY RIVER ABOVE ROSEBERRY LAKES
METHOD 2
ALPHA= 0.0298
QO= 8.43
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02HC022 ROUGE RIVER NEAR MARKHAM
METHOD 2
ALPHA= 0.0161
MU= 0.0311
QO= 0.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


04CA003 ROSEBERRY RIVER ABOVE ROSEBERRY LAKES
METHOD 1
ALPHA= 0.0298
QO= 8.43
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1960 ⊙ 1970 ▲ 1971 + 1972 × 1973 ◆


02HC022 ROUGE RIVER NEAR MARKHAM
METHOD 1
ALPHA= 0.0161
MU= 0.0311
QO= 0.19
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1965 ▲ 1966 + 1973 × 1964 ◆

04CA003 ROSEBERRY RIVER ABOVE ROSEBERRY LAKES

DRAINAGE AREA 619 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	3.46	MAY	1980	31	3.46
1980	JUN	30	1.17	MAY	1977	31	3.85
1980	JUL	31	.68	MAY	1976	31	5.21
1980	AUG	26	.48	MAY	1978	31	5.30
1980	SEP	1	.59	MAY	1968	16	5.35
1976	MAY	31	5.21	JUN	1977	30	.44
1976	JUN	30	3.99	JUN	1980	30	1.17
1976	JUL	31	.88	JUN	1972	30	2.00
1976	AUG	21	.34	JUN	1971	26	2.45
1976	SEP	30	.27	JUN	1973	17	2.71
1971	MAY	31	5.72	JUL	1977	8	.41
1971	JUN	26	2.45	JUL	1972	31	.44
1971	JUL	3	2.58	JUL	1974	25	.67
1971	AUG	31	.26	JUL	1980	31	.68
1971	SEP	3	.17	JUL	1976	31	.83
1972	MAY	31	9.57	AUG	1971	31	.26
1972	JUN	30	2.00	AUG	1976	21	.34
1972	JUL	31	.44	AUG	1972	3	.35
1972	AUG	3	.35	AUG	1980	26	.48
1972	SEP	1	.83	AUG	1973	31	.98
1973	MAY	31	8.01	SEP	1971	3	.17
1973	JUN	17	2.71	SEP	1976	30	.27
1973	JUL	31	2.83	SEP	1980	1	.59
1973	AUG	31	.98	SEP	1972	1	.83
1973	SEP	1	1.00	SEP	1973	1	1.00

ALPHA= .0298 QO= 8.43

02HC022 ROUGE RIVER NEAR MARKHAM

DRAINAGE AREA 186 SQ KM REGULATED

PERIOD OF RECORD 1961-80

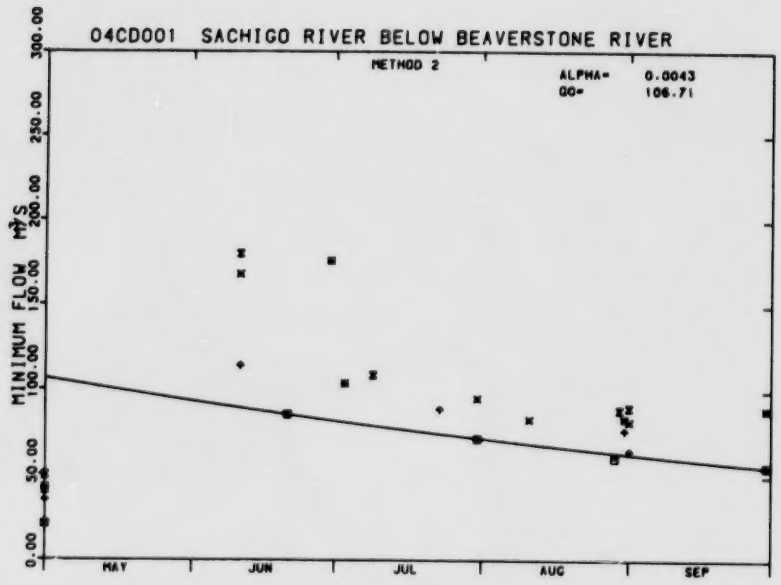
DISCHARGES IN CUBIC METRES PER SECOND

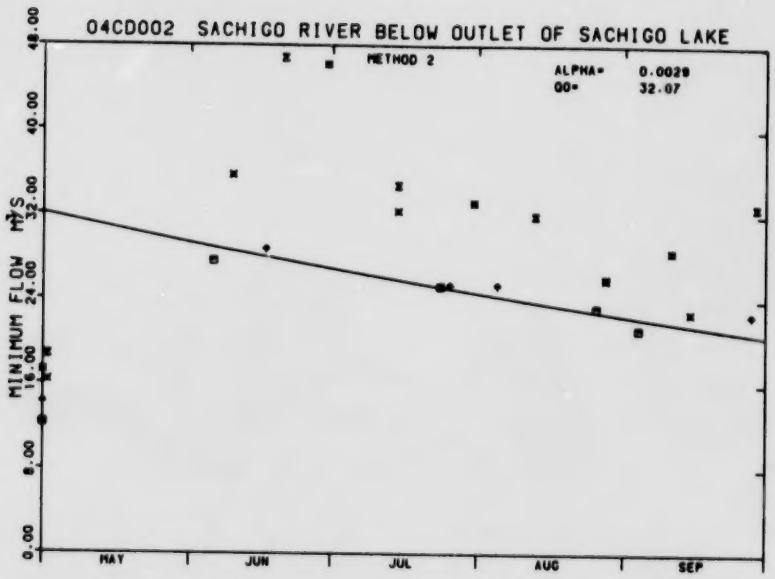
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	18	.133	MAY	1962	18	.133
1962	JUN	18	.108	MAY	1965	31	.136
1962	JUL	18	.068	MAY	1977	19	.139
1962	AUG	19	.089	MAY	1966	31	.193
1962	SEP	2	.062	MAY	1967	31	.215
1965	MAY	31	.136	JUN	1973	15	.057
1965	JUN	13	.082	JUN	1965	13	.082
1965	JUL	28	.108	JUN	1969	25	.082
1965	AUG	25	.079	JUN	1963	26	.089
1965	SEP	28	.153	JUN	1976	8	.088
1966	MAY	31	.193	JUL	1975	2	.059
1966	JUN	30	.108	JUL	1963	3	.062
1966	JUL	5	.074	JUL	1962	18	.068
1966	AUG	8	.089	JUL	1966	5	.074
1966	SEP	12	.122	JUL	1968	23	.074
1973	MAY	27	.377	AUG	1973	11	.051
1973	JUN	15	.057	AUG	1969	13	.062
1973	JUL	24	.088	AUG	1972	1	.071
1973	AUG	11	.051	AUG	1965	25	.079
1973	SEP	13	.076	AUG	1962	19	.085
1964	MAY	7	.232	SEP	1962	2	.062
1964	JUN	19	.093	SEP	1969	1	.074
1964	JUL	31	.099	SEP	1973	13	.076
1964	AUG	1	.096	SEP	1968	29	.105
1964	SEP	13	.159	SEP	1966	12	.122

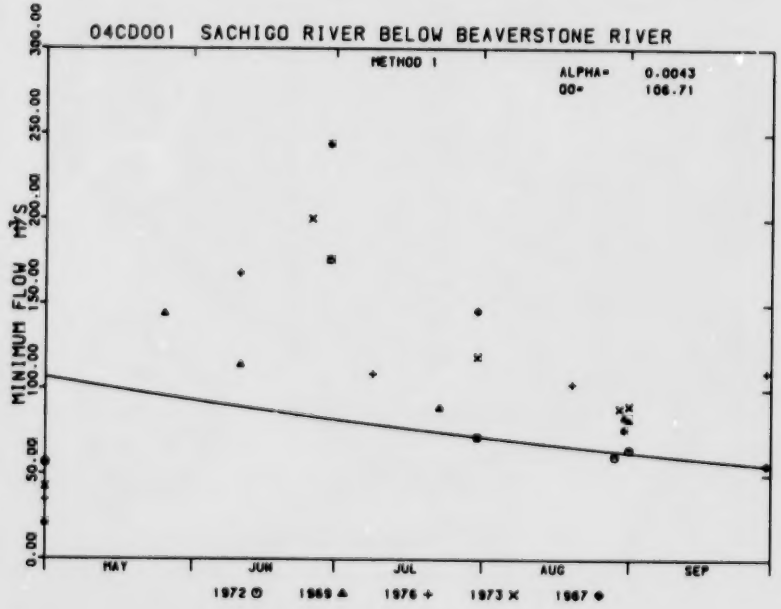
ALPHA= .0161 MU= .0311 QO= .19

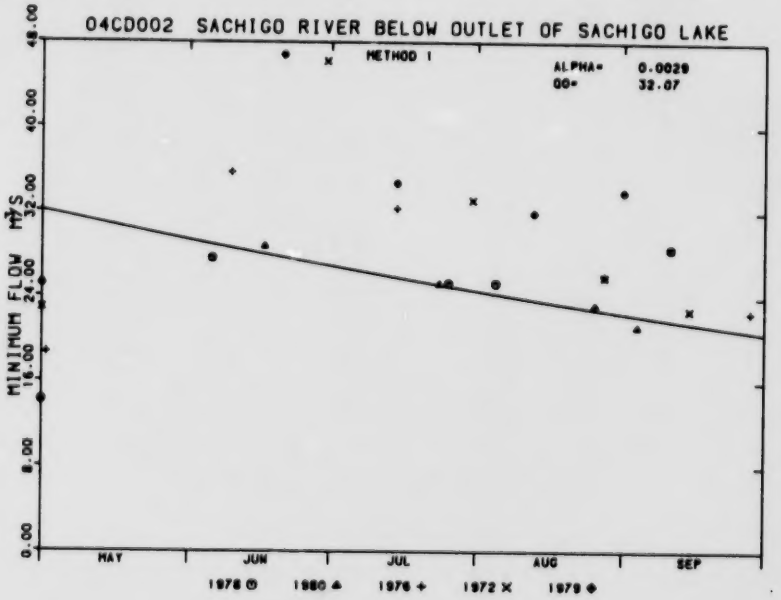
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	390.9	231.3	146.4	88.8	52.6	910.0	.49
CURVE 2	351.1	187.1	122.6	84.2	59.7	804.6	.43


04CD001 SACHIGO RIVER BELOW BEAVERSTONE RIVER
METHOD 2
ALPHA= 0.0043
QO= 106.71
MINIMUM FLOW M³/S
0.00
50.00
100.00
150.00
200.00
250.00
300.00
MAY
JUN
JUL
AUG
SEP


04CD002 SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE
METHOD 2
ALPHA= 0.0029
QO= 32.07
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04CD001 SACHIGO RIVER BELOW BEAVERSTONE RIVER
METHOD 1
ALPHA= 0.0043
QO= 106.71
MINIMUM FLOW M³/S
0.00
50.00
100.00
150.00
200.00
250.00
300.00
MAY
JUN
JUL
AUG
SEP
1972 ⊙ 1969 ▲ 1976 + 1973 × 1967 ◆


04CD002 SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE
METHOD 1
ALPHA= 0.0029
QO= 32.07
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1978 ⊙ 1980 ▲ 1976 + 1972 × 1979 ◆

04CD001 SACHIGO RIVER BELOW BEAVERSTONE RIVER

DRAINAGE AREA 21100 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-77

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	1	96.60	MAY	1967	1	21.10
1972	JUN	30	176.00	MAY	1976	1	34.80
1972	JUL	31	71.90	MAY	1970	1	40.50
1972	AUG	29	60.60	MAY	1973	1	42.50
1972	SEP	1	64.60	MAY	1974	1	49.60
1969	MAY	26	144.00	JUN	1968	21	85.80
1969	JUN	11	114.00	JUN	1969	11	114.00
1969	JUL	23	88.90	JUN	1976	11	168.00
1969	AUG	31	83.80	JUN	1972	30	176.00
1969	SEP	1	82.10	JUN	1971	11	180.00
1976	MAY	1	34.80	JUL	1972	31	71.90
1976	JUN	11	168.00	JUL	1969	23	88.90
1976	JUL	9	109.00	JUL	1974	31	95.40
1976	AUG	20	103.00	JUL	1968	3	104.00
1976	SEP	30	110.00	JUL	1976	9	109.00
1973	MAY	1	42.50	AUG	1972	29	60.60
1973	JUN	26	200.00	AUG	1967	31	76.70
1973	JUL	31	119.00	AUG	1974	11	83.30
1973	AUG	30	88.90	AUG	1969	31	83.80
1973	SEP	1	90.30	AUG	1973	30	88.90
1967	MAY	1	21.10	SEP	1967	30	55.80
1967	JUN	30	244.00	SEP	1972	1	64.60
1967	JUL	31	146.00	SEP	1969	1	82.10
1967	AUG	31	76.70	SEP	1971	30	89.20
1967	SEP	30	55.80	SEP	1973	1	90.30

ALPHA= .0043 QO= 186.71

04CD002 SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE

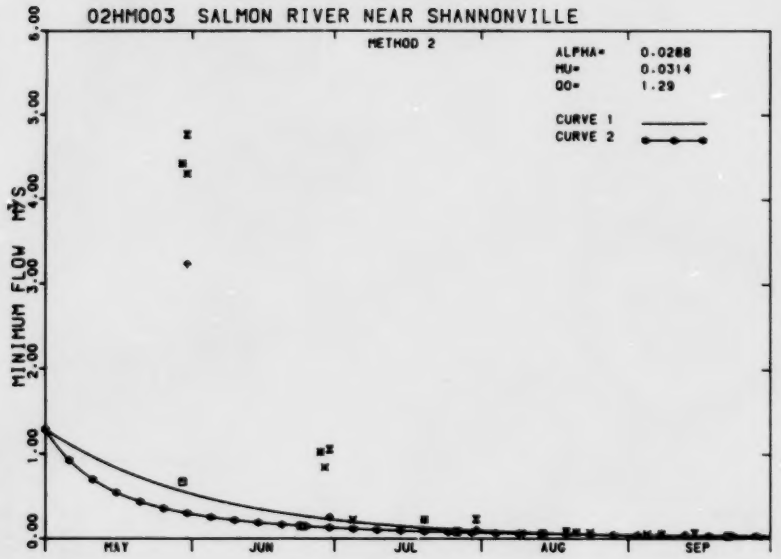
DRAINAGE AREA 4720 SQ KM NATURAL FLOW

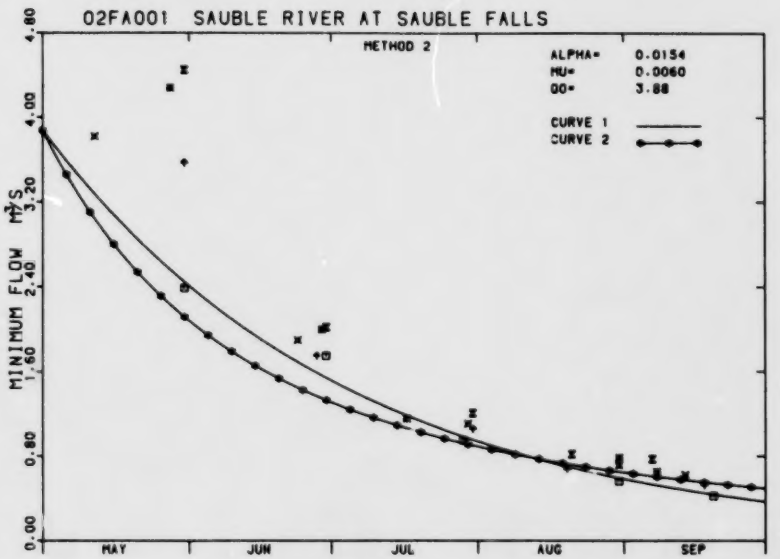
PERIOD OF RECORD 1970-80

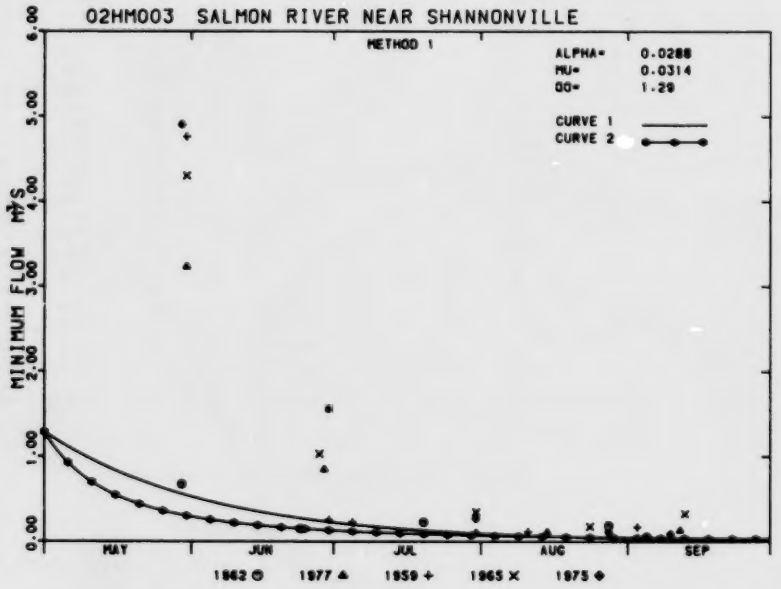
DISCHARGES IN CUBIC METRES PER SECOND

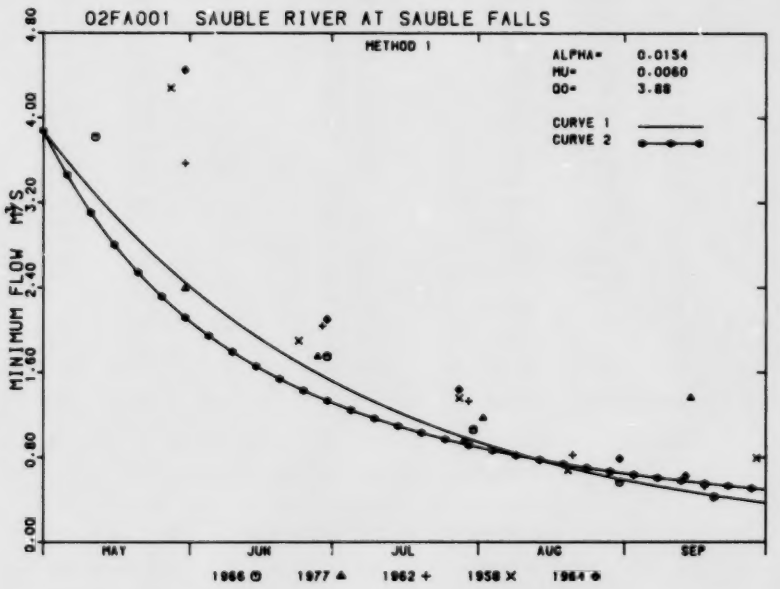
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1978	MAY	1	14.20	MAY	1973	1	12.30
1978	JUN	6	27.60	MAY	1978	1	14.20
1978	JUL	26	29.30	MAY	1974	2	16.30
1978	AUG	5	25.30	MAY	1975	1	17.20
1978	SEP	11	28.60	MAY	1976	2	18.70
1980	MAY	1	25.30	JUN	1978	6	27.60
1980	JUN	17	28.70	JUN	1980	17	28.70
1980	JUL	24	25.20	JUN	1976	10	35.70
1980	AUG	26	23.20	JUN	1972	30	46.20
1980	SEP	4	21.20	JUN	1979	21	46.80
1976	MAY	2	18.70	JUL	1980	24	25.20
1976	JUN	10	35.70	JUL	1978	26	25.30
1976	JUL	15	32.30	JUL	1976	15	32.30
1976	AUG	28	26.00	JUL	1972	31	33.10
1976	SEP	28	22.60	JUL	1979	15	34.70
1972	MAY	1	22.90	AUG	1980	26	23.20
1972	JUN	30	46.20	AUG	1978	5	25.30
1972	JUL	31	33.10	AUG	1972	28	25.90
1972	AUG	28	25.90	AUG	1976	28	26.00
1972	SEP	15	22.80	AUG	1979	13	31.90
1979	MAY	1	25.10	SEP	1980	4	21.20
1979	JUN	21	46.80	SEP	1976	28	22.60
1979	JUL	15	34.70	SEP	1972	15	22.80
1979	AUG	13	31.90	SEP	1978	11	28.60
1979	SEP	1	33.90	SEP	1971	29	32.80

ALPHA= .0029 QO= 32.07


02HM003 SALMON RIVER NEAR SHANNONVILLE
METHOD 2
ALPHA= 0.0288
MU= 0.0314
QO= 1.29
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02FA001 SAUBLE RIVER AT SAUBLE FALLS
METHOD 2
ALPHA= 0.0154
MU= 0.0060
QO= 3.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HM003 SALMON RIVER NEAR SHANNONVILLE
METHOD 1
ALPHA= 0.0288
MU= 0.0314
QO= 1.29
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1962 ○ 1977 ▲ 1959 + 1965 × 1973 ◆


02FA001 SAUBLE RIVER AT SAUBLE FALLS
METHOD 1
ALPHA= 0.0154
MU= 0.0060
QO= 3.88
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1966 ○ 1977 ▲ 1962 + 1958 × 1964 ◆

02HM003 SALMON RIVER NEAR SHANNONVILLE

DRAINAGE AREA 891 SQ KM REGULATED

PERIOD OF RECORD 1958-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	30	.67	MAY	1962	30	.67
1962	JUN	24	.15	MAY	1977	31	3.23
1962	JUL	20	.23	MAY	1965	31	4.30
1962	AUG	28	.19	MAY	1966	30	4.42
1962	SEP	5	.05	MAY	1959	31	4.76
1977	MAY	31	3.23	JUN	1962	24	.15
1977	JUN	29	.85	JUN	1959	30	.26
1977	JUL	31	.10	JUN	1977	29	.85
1977	AUG	15	.11	JUN	1965	28	1.03
1977	SEP	12	.13	JUN	1978	30	1.06
1959	MAY	31	4.76	JUL	1978	27	.09
1959	JUN	30	.26	JUL	1977	31	.10
1959	JUL	5	.23	JUL	1959	5	.23
1959	AUG	11	.11	JUL	1962	20	.23
1959	SEP	3	.17	JUL	1966	31	.23
1965	MAY	31	4.30	AUG	1960	14	.06
1965	JUN	28	1.03	AUG	1964	10	.06
1965	JUL	31	.35	AUG	1979	24	.07
1965	AUG	24	.18	AUG	1971	21	.08
1965	SEP	13	.33	AUG	1978	19	.08
1975	MAY	30	4.90	SEP	1960	22	.03
1975	JUN	30	1.56	SEP	1979	13	.05
1975	JUL	31	.27	SEP	1962	5	.05
1975	AUG	28	.11	SEP	1964	8	.06
1975	SEP	10	.09	SEP	1973	15	.07

ALPHA= .0288 MU= .0314 QO= 1.29

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	2278.4	914.6	393.6	161.3	64.7	3812.7	.43
CURVE 2	1637.2	499.9	254.0	149.8	96.1	2636.6	.30

02FA001 SAUBLE RIVER AT SAUBLE FALLS

DRAINAGE AREA 927 SQ KM NATURAL FLOW

PERIOD OF RECORD 1957-80

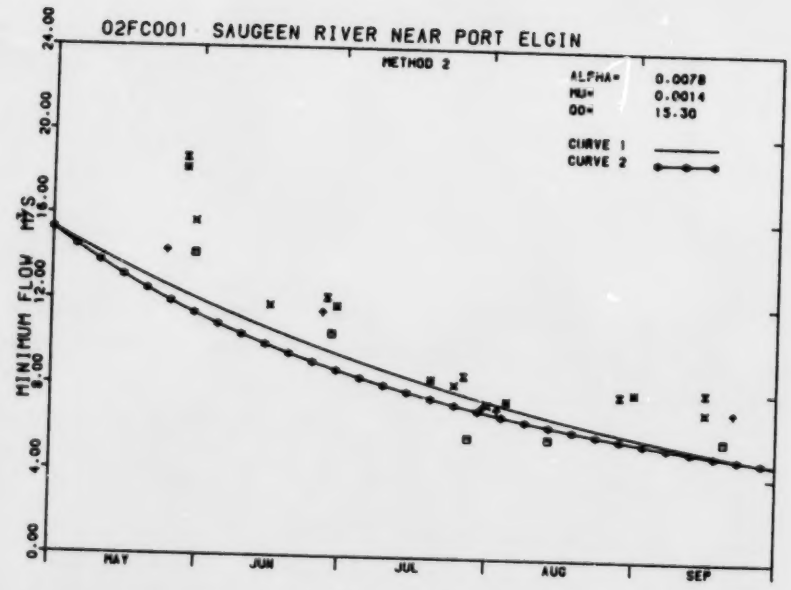
DISCHARGES IN CUBIC METRES PER SECOND

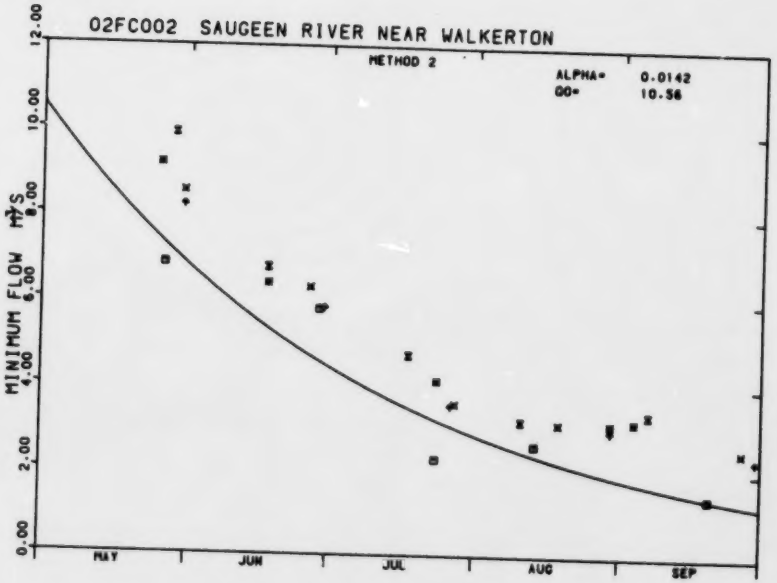
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	12	3.82	MAY	1977	31	2.39
1966	JUN	30	1.75	MAY	1962	31	3.37
1966	JUL	31	1.06	MAY	1966	12	3.82
1966	AUG	31	.57	MAY	1958	28	4.28
1966	SEP	20	.43	MAY	1964	31	4.45
1977	MAY	31	2.39	JUN	1966	30	1.75
1977	JUN	28	1.75	JUN	1977	28	1.75
1977	JUL	29	.95	JUN	1958	24	1.90
1977	AUG	2	1.17	JUN	1979	29	2.00
1977	SEP	15	1.36	JUN	1965	30	2.02
1962	MAY	31	3.37	JUL	1977	29	.95
1962	JUN	29	2.04	JUL	1966	31	1.06
1962	JUL	30	1.33	JUL	1979	30	1.11
1962	AUG	21	.82	JUL	1959	17	1.16
1962	SEP	18	.53	JUL	1975	31	1.21
1958	MAY	28	4.28	AUG	1966	31	.57
1958	JUN	24	1.90	AUG	1958	20	.68
1958	JUL	28	1.36	AUG	1978	31	.72
1958	AUG	20	.68	AUG	1964	31	.79
1958	SEP	29	.79	AUG	1962	21	.82
1964	MAY	31	4.45	SEP	1966	20	.43
1964	JUN	30	2.10	SEP	1962	18	.53
1964	JUL	28	1.44	SEP	1964	14	.62
1964	AUG	31	.79	SEP	1978	8	.65
1964	SEP	14	.62	SEP	1976	7	.77

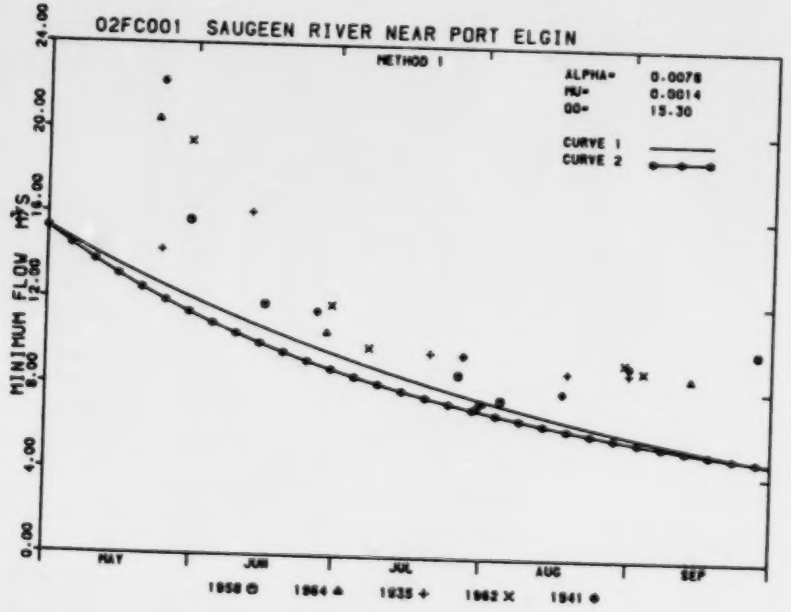
ALPHA= .0154 MU= .0060 QO= 3.88

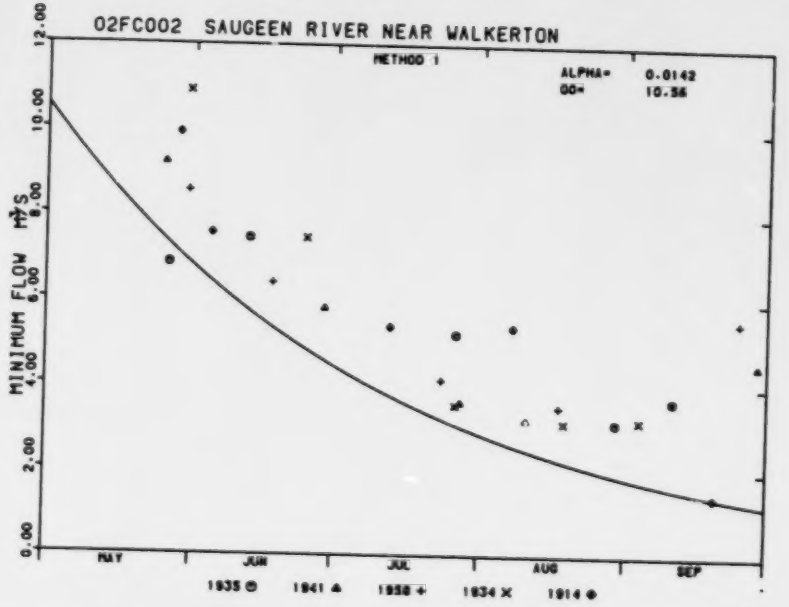
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	8262.5	5001.5	3236.6	2010.2	1216.8	19727.6	2.13
CURVE 2	7610.8	4288.5	2904.4	2038.8	1467.4	18309.9	1.98


02FC001 SAUGEEN RIVER NEAR PORT ELGIN
METHOD 2
ALPHA= 0.0078
MU= 0.0014
QO= 15.30
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02FC002 SAUGEEN RIVER NEAR WALKERTON
METHOD 2
ALPHA= 0.0142
QO= 10.56
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02FC001 SAUGEEN RIVER NEAR PORT ELGIN
METHOD 1
ALPHA= 0.0078
MU= 0.0014
QO= 15.30
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1958
1964
1935
1962
1941


02FC002 SAUGEEN RIVER NEAR WALKERTON
METHOD 1
ALPHA= 0.0142
QO= 10.56
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1935
1941
1958
1934
1914

02FC001 SAUGEEN RIVER NEAR PORT ELGIN

DRAINAGE AREA 3960 SQ KM NATURAL FLOW

PERIOD OF RECORD 1911-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1958	MAY	31	15.70	MAY	1915	31	14.20
1958	JUN	16	11.80	MAY	1935	25	14.30
1958	JUL	27	8.64	MAY	1958	31	15.70
1958	AUG	5	7.48	MAY	1949	29	18.20
1958	SEP	28	9.80	MAY	1977	29	18.70
1964	MAY	24	20.40	JUN	1964	29	18.50
1964	JUN	29	10.50	JUN	1941	27	11.50
1964	JUL	31	7.19	JUN	1958	16	11.80
1964	AUG	1	7.31	JUN	1962	30	11.80
1964	SEP	14	8.55	JUN	1915	28	12.20
1935	MAY	25	14.30	JUL	1918	28	9.72
1935	JUN	13	16.10	JUL	1964	31	7.19
1935	JUL	21	9.63	JUL	1966	25	8.21
1935	AUG	19	8.78	JUL	1919	20	8.44
1935	SEP	1	8.78	JUL	1958	27	8.64
1962	MAY	31	19.40	AUG	1919	14	5.72
1962	JUN	30	11.80	AUG	1914	3	7.08
1962	JUL	8	9.83	AUG	1964	1	7.31
1962	AUG	31	9.26	AUG	1958	5	7.48
1962	SEP	4	8.89	AUG	1955	29	7.82
1941	MAY	25	22.20	SEP	1919	20	5.72
1941	JUN	27	11.50	SEP	1914	22	7.08
1941	JUL	28	9.54	SEP	1955	16	7.08
1941	AUG	18	7.84	SEP	1925	1	7.93
1941	SEP	1	9.12	SEP	1973	16	7.99

ALPHA= .0078 MU= .0014 QO= 15.30

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	36369.7	27707.8	22546.6	17682.7	13471.3	117778.0	2.97
CURVE 2	35174.5	25708.8	20783.1	16643.0	13227.0	111536.5	2.82

02FC002 SAUGEEN RIVER NEAR WALKERTON

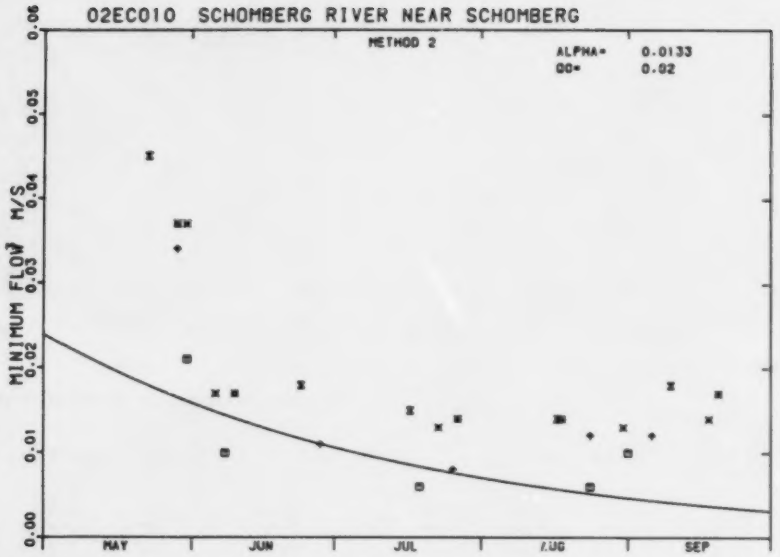
DRAINAGE AREA 2150 SQ KM NATURAL FLOW

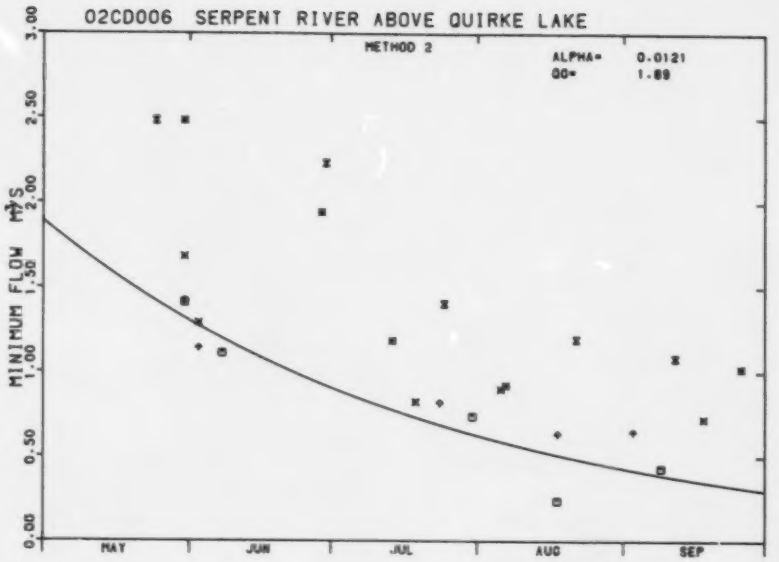
PERIOD OF RECORD 1912-80

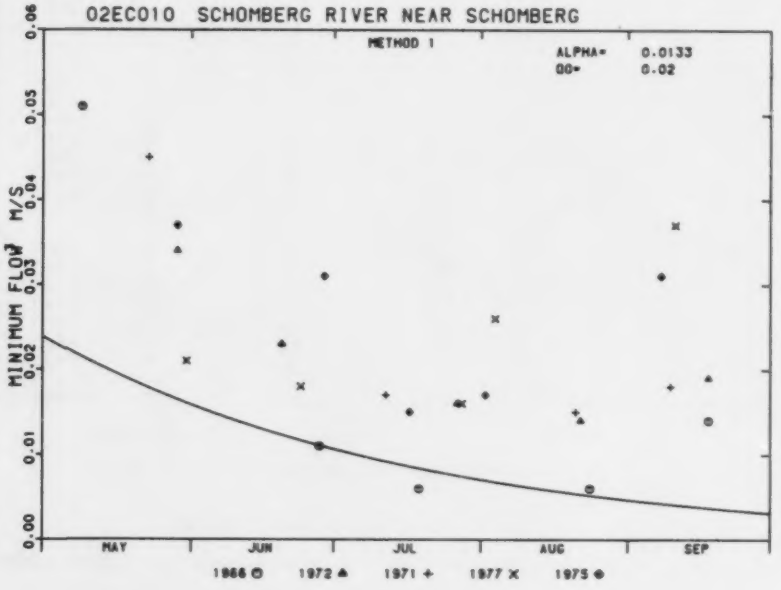
DISCHARGES IN CUBIC METRES PER SECOND

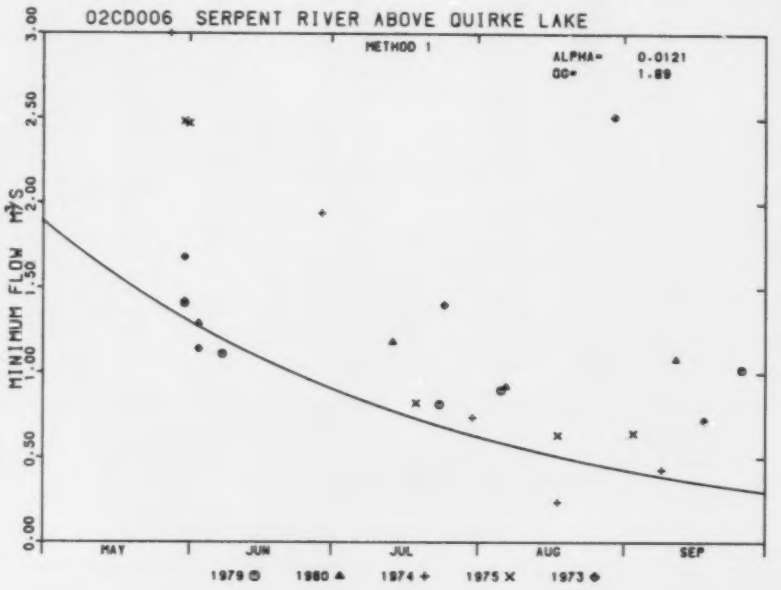
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1935	MAY	27	6.85	MAY	1935	27	6.85
1935	JUN	13	7.45	MAY	1925	31	8.21
1935	JUL	27	5.21	MAY	1958	31	8.35
1935	AUG	30	3.14	MAY	1941	26	9.20
1935	SEP	11	3.68	MAY	1914	29	9.91
1941	MAY	26	9.20	JUN	1941	29	5.80
1941	JUN	29	5.80	JUN	1964	30	3.83
1941	JUL	28	3.60	JUN	1989	27	6.31
1941	AUG	11	3.20	JUN	1958	18	6.40
1941	SEP	29	4.53	JUN	1968	18	6.77
1958	MAY	31	8.35	JUL	1918	24	2.29
1958	JUN	18	6.40	JUL	1934	27	3.54
1958	JUL	24	4.13	JUL	1941	28	3.60
1958	AUG	18	3.51	JUL	1958	24	4.13
1958	SEP	25	5.35	JUL	1936	18	4.73
1934	MAY	31	10.90	AUG	1919	14	2.63
1934	JUN	25	7.45	AUG	1938	30	2.97
1934	JUL	27	3.54	AUG	1934	19	3.14
1934	AUG	19	3.14	AUG	1985	30	3.14
1934	SEP	4	3.20	AUG	1941	11	3.20
1914	MAY	29	9.91	SEP	1914	20	1.42
1914	JUN	5	7.56	SEP	1929	30	2.22
1914	JUL	13	5.38	SEP	1930	27	2.52
1914	AUG	8	3.38	SEP	1934	4	3.20
1914	SEP	20	1.42	SEP	1948	7	3.37

ALPHA= .0142 QO= 10.56


02EC010 SCHOMBERG RIVER NEAR SCHOMBERG
METHOD 2
ALPHA= 0.0133
QO= 0.02
MINIMUM FLOW M/S
0.00
0.01
0.02
0.03
0.04
0.05
0.06
MAY
JUN
JUL
AUG
SEP


02CD006 SERPENT RIVER ABOVE QUIRKE LAKE
METHOD 2
ALPHA= 0.0121
QO= 1.89
MINIMUM FLOW M/S
0.00
0.50
1.00
1.50
2.00
2.50
3.00
MAY
JUN
JUL
AUG
SEP


02EC010 SCHOMBERG RIVER NEAR SCHOMBERG
METHOD 1
ALPHA= 0.0133
QO= 0.02
MINIMUM FLOW M/S
0.00
0.01
0.02
0.03
0.04
0.05
0.06
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1972 ▲ 1971 + 1977 × 1975 ◆


02CD006 SERPENT RIVER ABOVE QUIRKE LAKE
METHOD 1
ALPHA= 0.0121
QO= 1.89
MINIMUM FLOW M/S
0.00
0.50
1.00
1.50
2.00
2.50
3.00
MAY
JUN
JUL
AUG
SEP
1979 ⊙ 1980 ▲ 1974 + 1975 × 1973 ◆

02EC010 SCHOMBERG RIVER NEAR SCHOMBERG

DRAINAGE AREA 51.3 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	9	.051	MAY	1977	31	.021
1966	JUN	28	.011	MAY	1972	29	.034
1966	JUL	19	.006	MAY	1967	31	.037
1966	AUG	24	.006	MAY	1975	29	.037
1966	SEP	18	.014	MAY	1971	23	.045
1972	MAY	29	.034	JUN	1970	8	.010
1972	JUN	20	.023	JUN	1966	28	.011
1972	JUL	27	.016	JUN	1967	6	.017
1972	AUG	22	.014	JUN	1968	10	.017
1972	SEP	18	.019	JUN	1977	24	.018
1971	MAY	23	.045	JUL	1966	19	.006
1971	JUN	20	.023	JUL	1968	26	.008
1971	JUL	12	.017	JUL	1974	23	.013
1971	AUG	21	.015	JUL	1978	27	.014
1971	SEP	10	.018	JUL	1975	17	.015
1977	MAY	31	.021	AUG	1966	24	.006
1977	JUN	24	.018	AUG	1969	24	.012
1977	JUL	28	.016	AUG	1973	31	.013
1977	AUG	4	.026	AUG	1968	18	.014
1977	SEP	11	.037	AUG	1970	17	.014
1975	MAY	29	.037	SEP	1973	1	.010
1975	JUN	29	.031	SEP	1969	6	.012
1975	JUL	17	.015	SEP	1966	18	.014
1975	AUG	2	.017	SEP	1967	28	.017
1975	SEP	8	.031	SEP	1971	10	.018

ALPHA= .0133 BB= .02

02CD006 SERPENT RIVER ABOVE QUIRKE LAKE

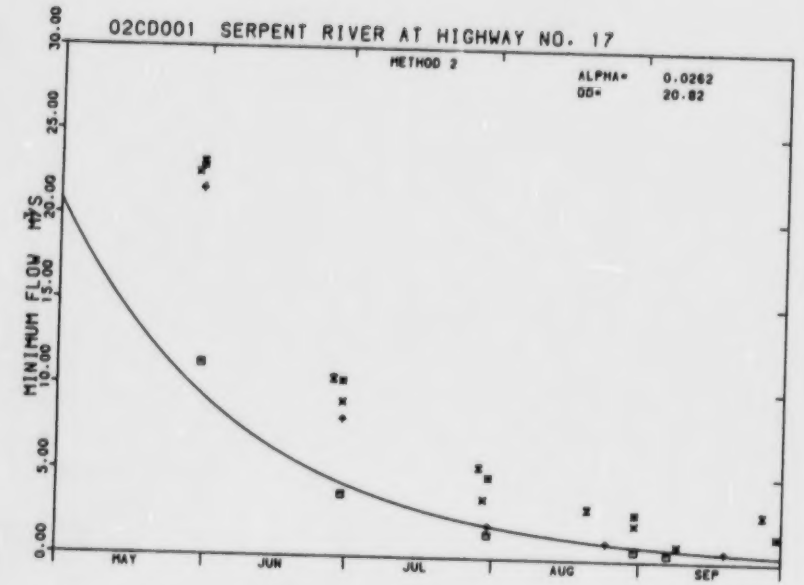
DRAINAGE AREA 157 SQ KM NATURAL FLOW

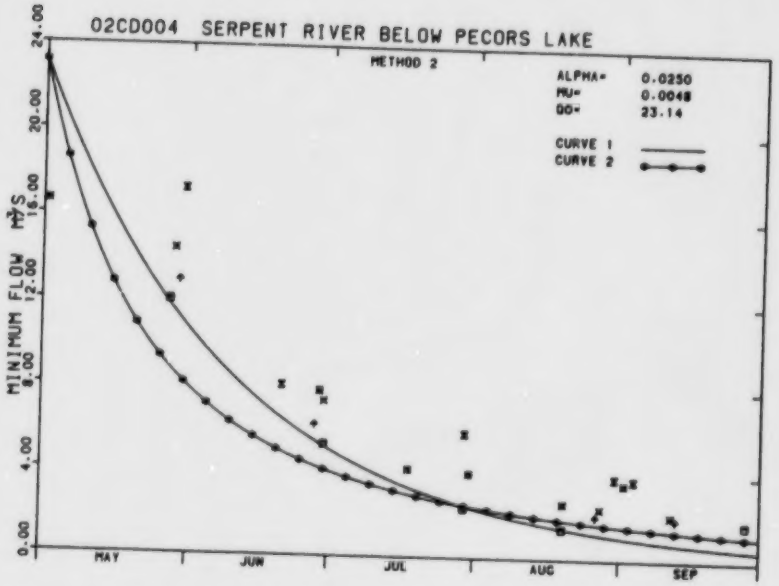
PERIOD OF RECORD 1967-80

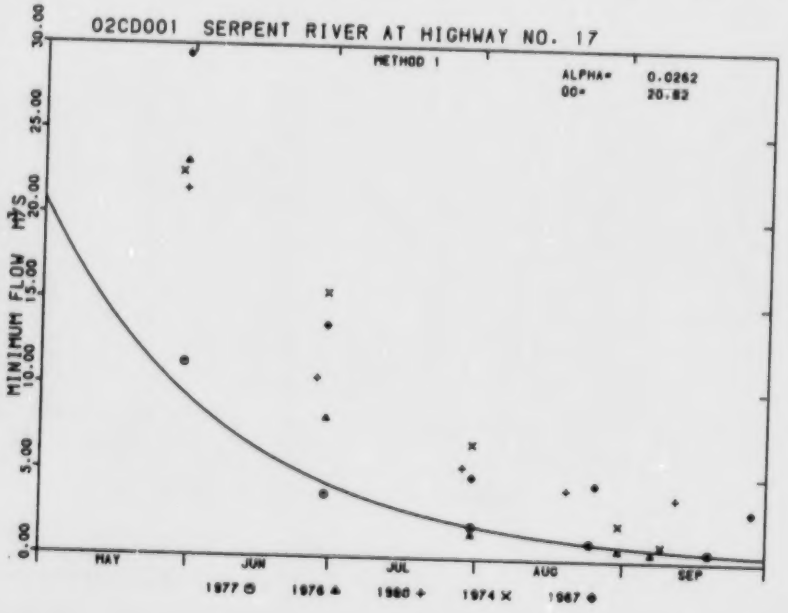
DISCHARGES IN CUBIC METRES PER SECOND

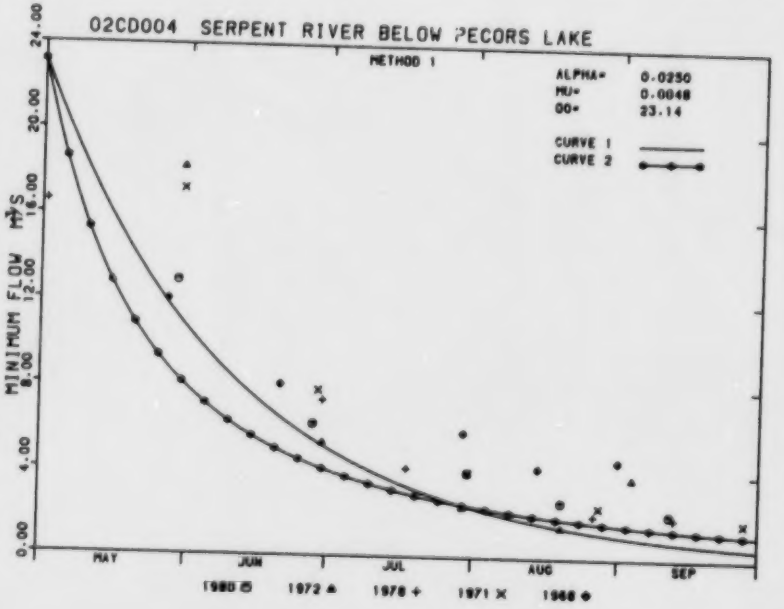
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1979	MAY	31	1.41	MAY	1979	31	1.41
1979	JUN	8	1.11	MAY	1980	31	1.42
1979	JUL	24	.81	MAY	1973	31	1.58
1979	AUG	6	.90	MAY	1975	31	2.48
1979	SEP	26	1.02	MAY	1978	25	2.48
1980	MAY	31	1.42	JUN	1979	8	1.11
1980	JUN	3	1.29	JUN	1973	3	1.14
1980	JUL	14	1.18	JUN	1980	3	1.29
1980	AUG	7	.92	JUN	1974	29	1.94
1980	SEP	12	1.08	JUN	1978	30	2.23
1974	MAY	28	3.00	JUL	1974	31	.74
1974	JUN	29	1.94	JUL	1979	24	.81
1974	JUL	31	.74	JUL	1975	19	.82
1974	AUG	18	.24	JUL	1980	14	1.18
1974	SEP	9	.43	JUL	1973	25	1.40
1975	MAY	31	2.48	AUG	1974	18	.24
1975	JUN	1	2.47	AUG	1975	18	.63
1975	JUL	19	.82	AUG	1979	6	.90
1975	AUG	18	.63	AUG	1980	7	.92
1975	SEP	3	.64	AUG	1978	22	1.19
1973	MAY	31	1.68	SEP	1974	9	.43
1973	JUN	3	1.14	SEP	1975	3	.64
1973	JUL	25	1.40	SEP	1973	18	.72
1973	AUG	30	2.51	SEP	1979	26	1.02
1973	SEP	18	.72	SEP	1980	12	1.68

ALPHA= .0121 BB= 1.89


02CD001 SERPENT RIVER AT HIGHWAY NO. 17
METHOD 2
ALPHA= 0.0262
QO= 20.82
MINIMUM FLOW M³/S
30.00
25.00
20.00
15.00
10.00
5.00
0.00
MAY
JUN
JUL
AUG
SEP


02CD004 SERPENT RIVER BELOW PECORS LAKE
METHOD 2
ALPHA= 0.0250
MU= 0.0048
QO= 23.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
24.00
20.00
16.00
12.00
8.00
4.00
0.00
MAY
JUN
JUL
AUG
SEP


02CD001 SERPENT RIVER AT HIGHWAY NO. 17
METHOD 1
ALPHA= 0.0262
QO= 20.82
MINIMUM FLOW M³/S
30.00
25.00
20.00
15.00
10.00
5.00
0.00
MAY
JUN
JUL
AUG
SEP
1977
1976
1980
1974
1967


02CD004 SERPENT RIVER BELOW PECORS LAKE
METHOD 1
ALPHA= 0.0250
MU= 0.0048
QO= 23.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
24.00
20.00
16.00
12.00
8.00
4.00
0.00
MAY
JUN
JUL
AUG
SEP
1980
1972
1978
1971
1968

02CD001 SERPENT RIVER AT HIGHWAY NO. 17

DRAINAGE AREA 1350 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	11.30	MAY	1977	31	11.30
1977	JUN	30	3.68	MAY	1980	31	21.50
1977	JUL	31	1.91	MAY	1974	30	22.50
1977	AUG	25	1.04	MAY	1968	31	22.90
1977	SEP	19	.57	MAY	1969	31	23.10
1976	MAY	31	23.10	JUN	1977	30	3.68
1976	JUN	30	8.13	JUN	1976	30	8.13
1976	JUL	31	1.42	JUN	1972	30	9.15
1976	AUG	31	.61	JUN	1978	30	10.40
1976	SEP	7	.45	JUN	1980	28	10.50
1980	MAY	31	21.50	JUL	1976	31	1.42
1980	JUN	28	10.50	JUL	1977	31	1.91
1980	JUL	29	5.38	JUL	1972	30	3.48
1980	AUG	26	4.19	JUL	1967	31	4.79
1980	SEP	12	3.72	JUL	1980	29	9.38
1974	MAY	30	22.50	AUG	1976	31	.61
1974	JUN	30	19.90	AUG	1977	25	1.04
1974	JUL	31	6.74	AUG	1974	31	2.13
1974	AUG	31	2.13	AUG	1975	31	2.76
1974	SEP	9	.96	AUG	1972	21	3.03
1967	MAY	31	29.40	SEP	1976	7	.45
1967	JUN	30	13.60	SEP	1977	19	.57
1967	JUL	31	4.79	SEP	1974	9	.96
1967	AUG	26	4.45	SEP	1975	30	1.34
1967	SEP	28	2.97	SEP	1971	27	2.81

ALPHA= .0262 QO= 20.82

02CD004 SERPENT RIVER BELOW PECORS LAKE

DRAINAGE AREA 567 SQ KM REGULATED

PERIOD OF RECORD 1967-80

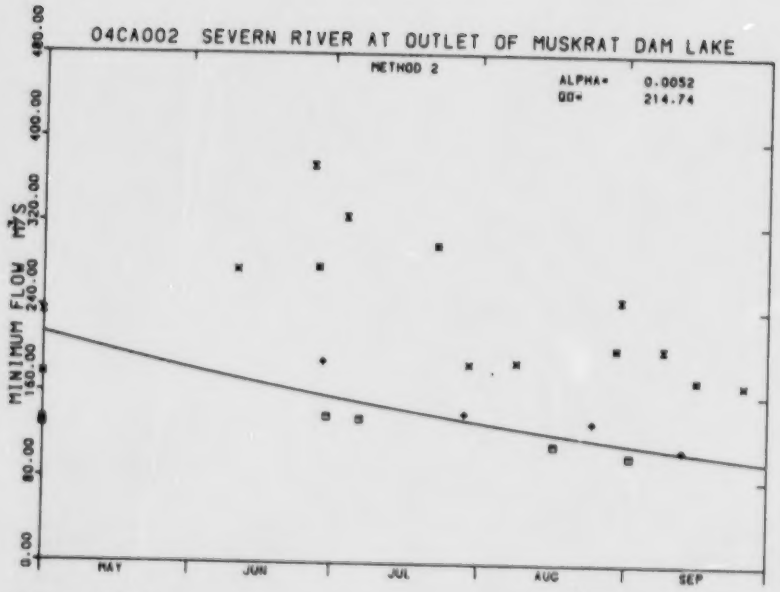
DISCHARGES IN CUBIC METRES PER SECOND

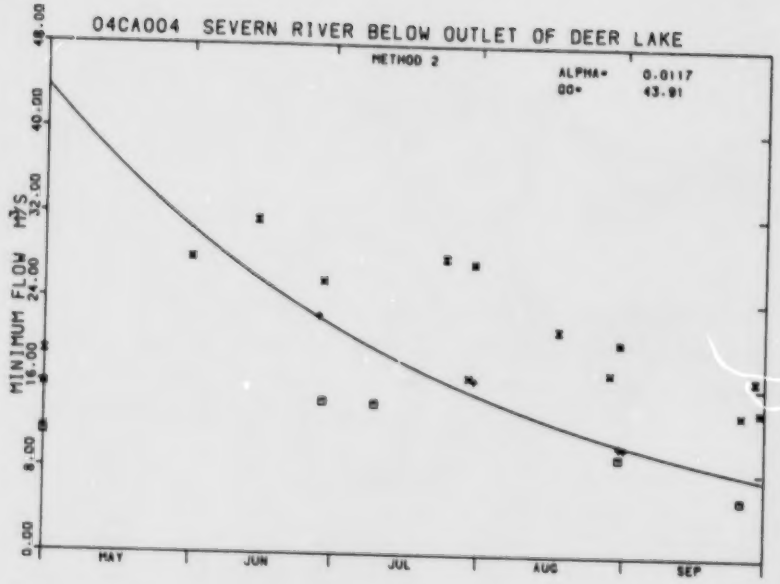
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	30	12.90	MAY	1968	28	12.00
1980	JUN	28	6.20	MAY	1980	30	12.90
1980	JUL	31	3.98	MAY	1970	29	14.40
1980	AUG	20	2.44	MAY	1978	2	16.60
1980	SEP	12	2.12	MAY	1971	31	17.20
1972	MAY	31	16.20	JUN	1972	30	5.30
1972	JUN	30	5.30	JUN	1980	28	6.20
1972	JUL	30	2.35	JUN	1978	30	7.33
1972	AUG	20	1.45	JUN	1971	29	7.79
1972	SEP	4	3.77	JUN	1968	21	8.04
1978	MAY	2	16.60	JUL	1972	30	2.35
1978	JUN	30	7.33	JUL	1980	31	3.98
1978	JUL	18	4.16	JUL	1971	31	3.99
1978	AUG	27	2.04	JUL	1978	18	4.16
1978	SEP	13	1.94	JUL	1968	30	5.86
1971	MAY	31	17.20	AUG	1972	20	1.45
1971	JUN	29	7.79	AUG	1978	27	2.04
1971	JUL	31	3.99	AUG	1971	28	2.43
1971	AUG	28	2.43	AUG	1980	20	2.64
1971	SEP	28	1.76	AUG	1970	31	3.85
1968	MAY	28	12.00	SEP	1971	28	1.76
1968	JUN	21	8.04	SEP	1978	13	1.94
1968	JUL	30	5.86	SEP	1980	12	2.12
1968	AUG	15	4.22	SEP	1970	2	3.57
1968	SEP	1	4.59	SEP	1972	4	3.77

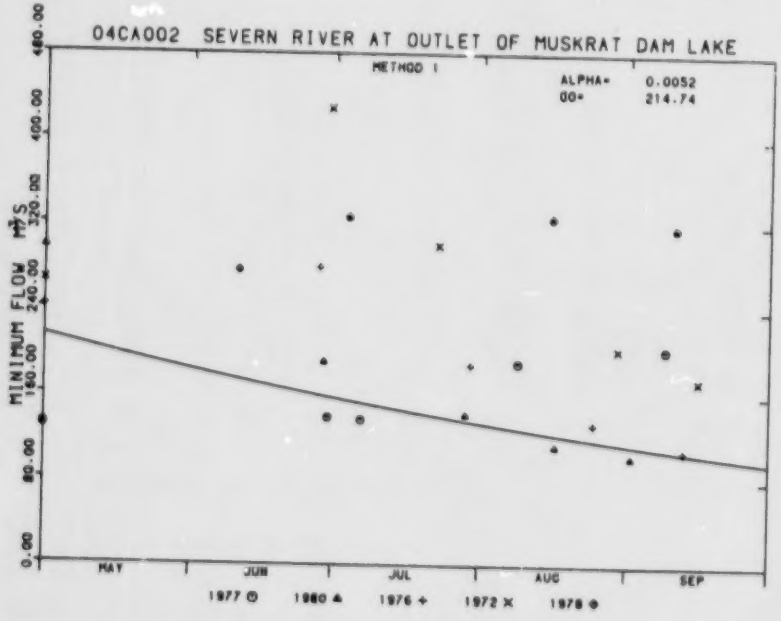
ALPHA= .0230 MU= .0048 QO= 23.14

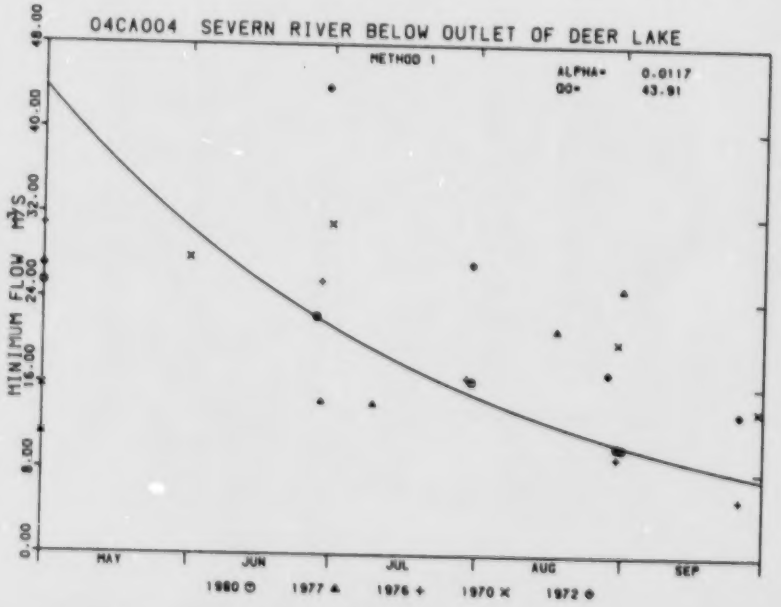
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	43162.8	19481.8	9418.7	4345.2	1961.2	78369.7	13.82
CURVE 2	36208.9	14594.0	8293.4	5205.9	3474.3	67776.6	11.95


04CA002 SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE
METHOD 2
ALPHA= 0.0052
QO= 214.74
MINIMUM FLOW M³/S
480.00
400.00
320.00
240.00
160.00
80.00
0.00
MAY
JUN
JUL
AUG
SEP


04CA004 SEVERN RIVER BELOW OUTLET OF DEER LAKE
METHOD 2
ALPHA= 0.0117
QO= 43.91
MINIMUM FLOW M³/S
48.00
40.00
32.00
24.00
16.00
8.00
0.00
MAY
JUN
JUL
AUG
SEP


04CA002 SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE
METHOD 1
ALPHA= 0.0052
QO= 214.74
MINIMUM FLOW M³/S
480.00
400.00
320.00
240.00
160.00
80.00
0.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1980 ▲ 1976 + 1972 × 1978 ⊕


04CA004 SEVERN RIVER BELOW OUTLET OF DEER LAKE
METHOD 1
ALPHA= 0.0117
QO= 43.91
MINIMUM FLOW M³/S
48.00
40.00
32.00
24.00
16.00
8.00
0.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1977 ▲ 1976 + 1970 × 1972 ⊕

04CA002 SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE

DRAINAGE AREA 36300 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	1	130.00	MAY	1977	1	130.00
1977	JUN	30	130.00	MAY	1978	1	132.00
1977	JUL	7	136.00	MAY	1968	1	134.00
1977	AUG	9	190.00	MAY	1974	1	177.00
1977	SEP	9	203.00	MAY	1975	1	239.00
1980	MAY	1	297.00	JUN	1977	30	138.00
1980	JUN	29	190.00	JUN	1980	29	190.00
1980	JUL	29	141.00	JUN	1978	11	276.00
1980	AUG	17	112.00	JUN	1976	28	279.00
1980	SEP	2	102.00	JUN	1969	27	374.00
1976	MAY	1	242.00	JUL	1977	7	136.00
1976	JUN	28	279.00	JUL	1980	29	141.00
1976	JUL	30	188.00	JUL	1976	30	188.00
1976	AUG	25	139.00	JUL	1972	23	380.00
1976	SEP	13	108.00	JUL	1978	4	326.00
1972	MAY	1	266.00	AUG	1980	17	112.00
1972	JUN	30	428.00	AUG	1976	25	133.00
1972	JUL	23	300.00	AUG	1977	9	190.00
1972	AUG	30	203.00	AUG	1972	30	203.00
1972	SEP	16	174.00	AUG	1971	31	249.00
1978	MAY	1	132.00	SEP	1980	2	102.00
1978	JUN	11	276.00	SEP	1976	13	108.00
1978	JUL	4	326.00	SEP	1971	26	170.00
1978	AUG	16	326.00	SEP	1972	16	174.00
1978	SEP	11	317.00	SEP	1977	9	203.00

ALPHA= .0052 QO= 214.74

04CA004 SEVERN RIVER BELOW OUTLET OF DEER LAKE

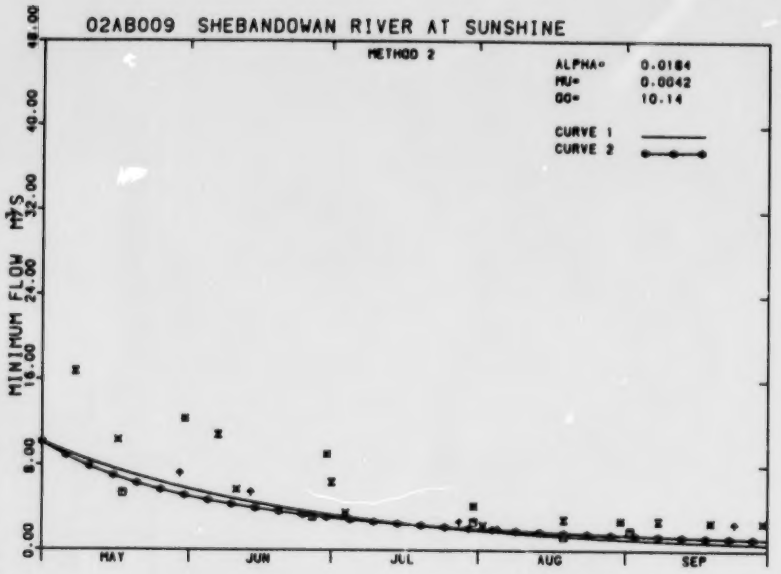
DRAINAGE AREA UNKNOWN NATURAL FLOW

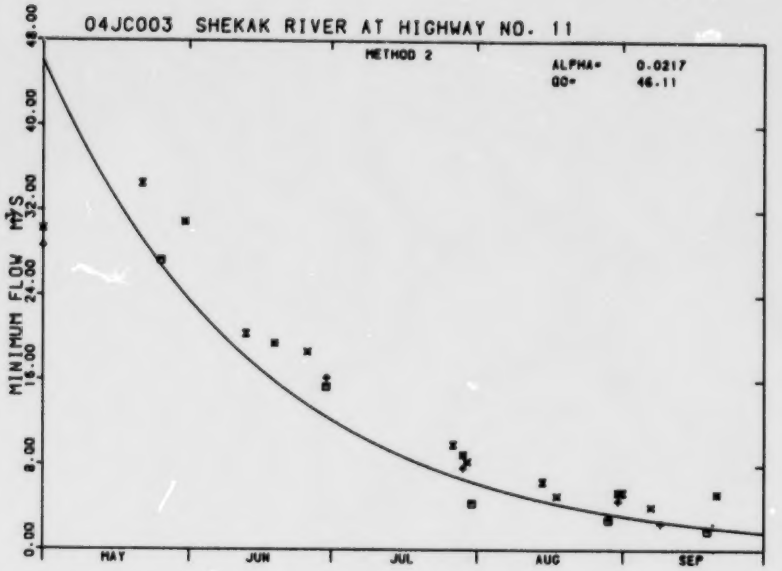
PERIOD OF RECORD 1967-80

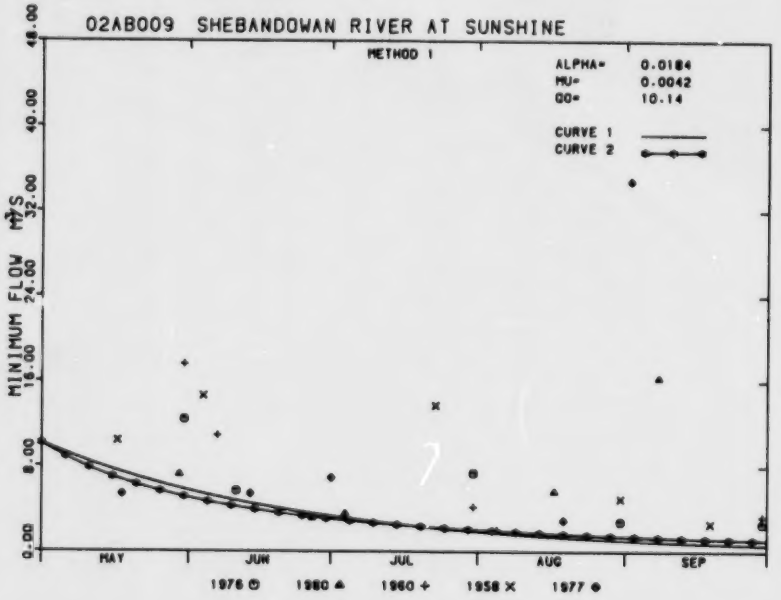
DISCHARGES IN CUBIC METRES PER SECOND

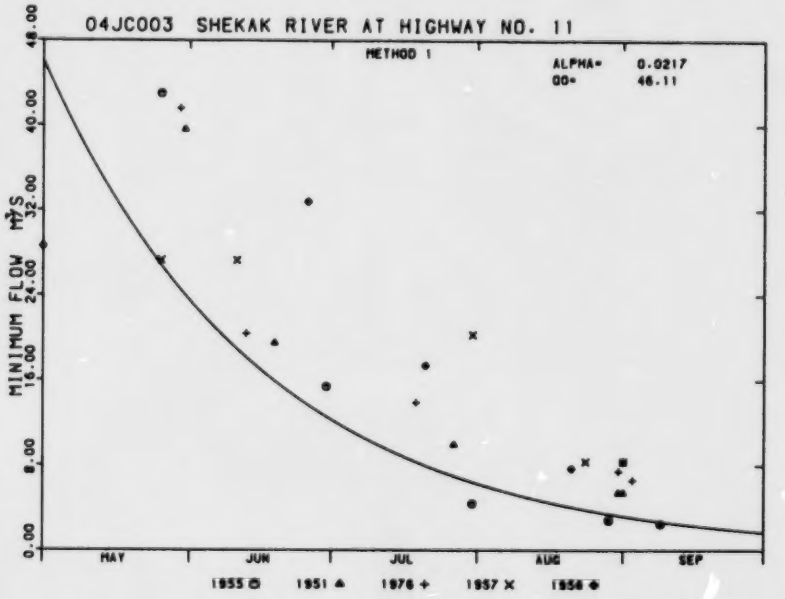
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	1	25.50	MAY	1977	1	11.30
1980	JUN	28	22.40	MAY	1968	1	11.70
1980	JUL	31	16.40	MAY	1970	1	15.80
1980	AUG	31	10.30	MAY	1978	1	15.80
1980	SEP	1	10.20	MAY	1975	1	18.90
1977	MAY	1	11.30	JUN	1977	29	14.40
1977	JUN	29	14.40	JUN	1980	28	22.40
1977	JUL	10	14.20	JUN	1976	29	25.70
1977	AUG	18	21.20	JUN	1970	1	27.90
1977	SEP	1	25.10	JUN	1978	15	31.40
1976	MAY	1	30.90	JUL	1977	10	14.20
1976	JUN	29	25.70	JUL	1980	31	16.40
1976	JUL	30	16.70	JUL	1976	30	16.70
1976	AUG	31	9.29	JUL	1972	31	27.40
1976	SEP	26	9.47	JUL	1974	25	27.90
1970	MAY	1	15.80	AUG	1976	31	9.29
1970	JUN	1	27.90	AUG	1980	31	10.30
1970	JUL	1	31.10	AUG	1972	29	17.20
1970	AUG	31	20.10	AUG	1970	31	20.10
1970	SEP	30	13.80	AUG	1977	18	21.20
1972	MAY	1	27.10	SEP	1976	26	9.47
1972	JUN	30	43.90	SEP	1980	1	10.20
1972	JUL	31	27.40	SEP	1972	26	13.50
1972	AUG	29	17.20	SEP	1970	30	13.80
1972	SEP	26	13.50	SEP	1973	29	16.80

ALPHA= .0117 QO= 43.91


02AB009 SHEBANDOWAN RIVER AT SUNSHINE
METHOD 2
ALPHA= 0.0184
MU= 0.0042
QO= 10.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


04JC003 SHEKAK RIVER AT HIGHWAY NO. 11
METHOD 2
ALPHA= 0.0217
QO= 46.11
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02AB009 SHEBANDOWAN RIVER AT SUNSHINE
METHOD 1
ALPHA= 0.0184
MU= 0.0042
QO= 10.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1976
1980
1960
1958
1977


04JC003 SHEKAK RIVER AT HIGHWAY NO. 11
METHOD 1
ALPHA= 0.0217
QO= 46.11
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1955
1951
1976
1957
1956

02AB009 SHEBANDOWAN RIVER AT SUNSHINE

DRAINAGE AREA 2800 SQ KM REGULATED

PERIOD OF RECORD 1956-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	31	12.40	MAY	1977	18	5.38
1976	JUN	11	5.69	MAY	1980	30	7.20
1976	JUL	31	7.36	MAY	1958	17	10.40
1976	AUG	31	2.79	MAY	1976	31	12.40
1976	SEP	30	2.61	MAY	1963	8	16.80
1980	MAY	30	7.20	JUN	1980	27	3.13
1980	JUN	27	3.13	JUN	1977	14	5.41
1980	JUL	4	3.53	JUN	1976	11	5.69
1980	AUG	17	5.68	JUN	1961	30	9.06
1980	SEP	8	16.30	JUN	1960	7	10.90
1960	MAY	31	17.60	JUL	1966	31	2.69
1960	JUN	7	10.90	JUL	1967	28	2.69
1960	JUL	31	4.19	JUL	1980	4	3.53
1960	AUG	9	2.01	JUL	1960	31	4.19
1960	SEP	30	3.31	JUL	1961	1	6.40
1958	MAY	17	10.40	AUG	1970	19	1.33
1958	JUN	4	14.60	AUG	1960	5	2.01
1958	JUL	23	13.70	AUG	1966	2	2.39
1958	AUG	31	4.96	AUG	1976	31	2.79
1958	SEP	19	2.63	AUG	1977	19	2.92
1977	MAY	18	5.38	SEP	1970	2	1.84
1977	JUN	14	5.41	SEP	1966	24	2.48
1977	JUL	1	6.91	SEP	1976	30	2.61
1977	AUG	19	2.92	SEP	1958	19	2.63
1977	SEP	2	34.80	SEP	1967	8	2.78

ALPHA= .0184 MU= .0042 QO= 10.14

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	20718.3	11444.5	6761.8	3827.6	2114.3	44866.6	1.60
CURVE 2	19166.8	10182.7	6661.3	4567.5	3233.7	43812.0	1.56

04JC003 SHEKAK RIVER AT HIGHWAY NO. 11

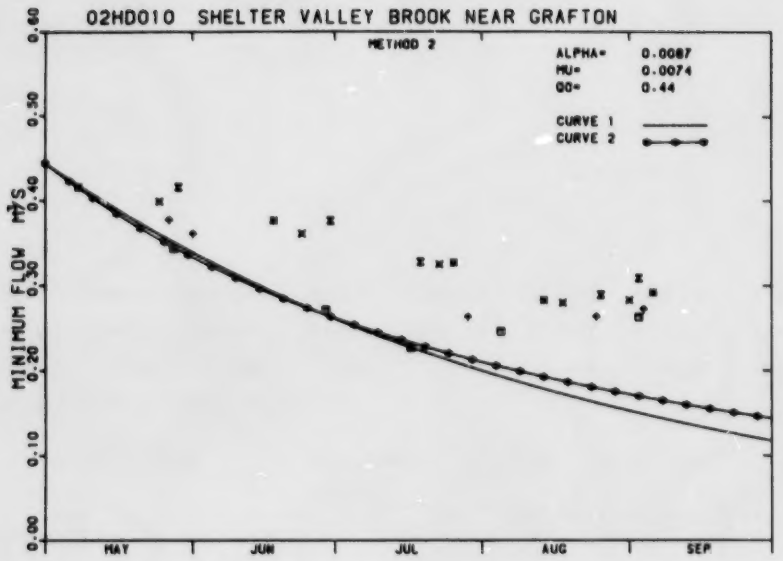
DRAINAGE AREA 3290 SQ KM NATURAL FLOW

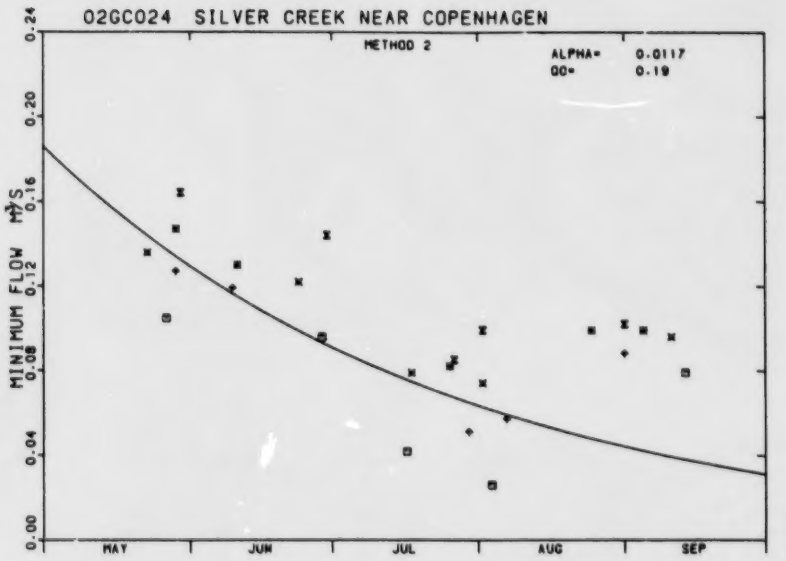
PERIOD OF RECORD 1950-80

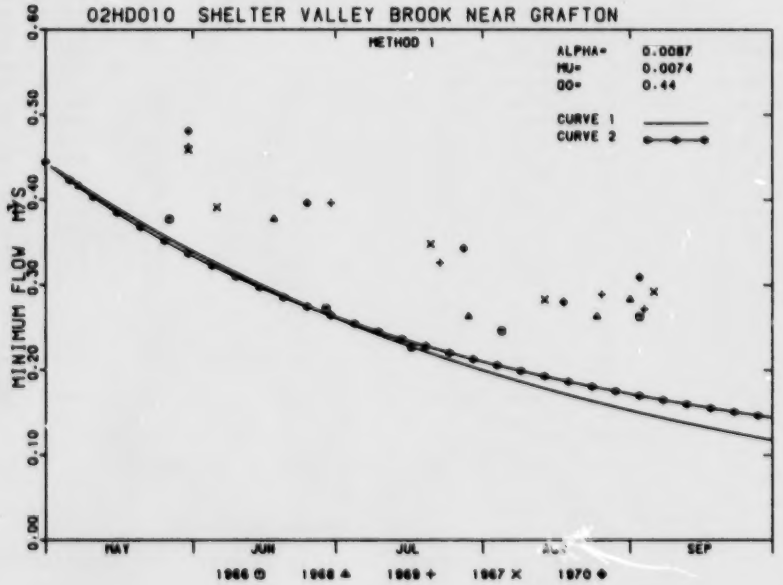
DISCHARGES IN CUBIC METRES PER SECOND

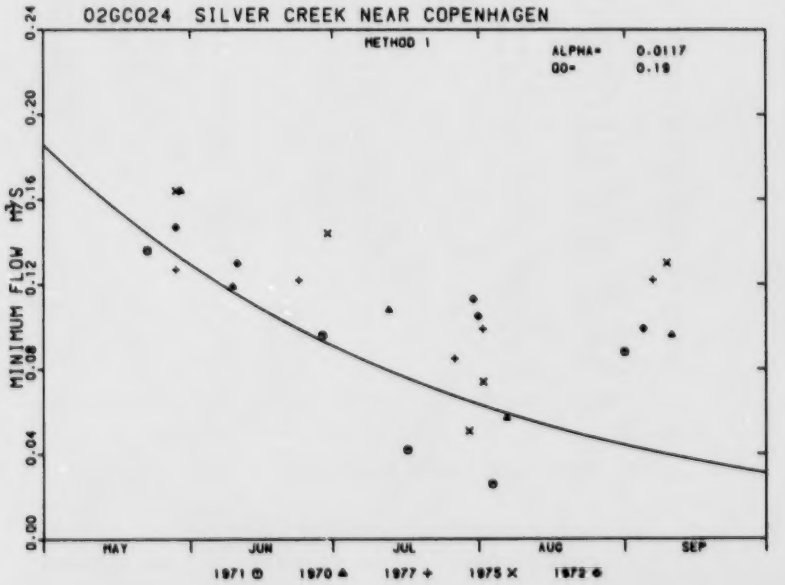
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	26	43.00	MAY	1957	26	27.30
1955	JUN	30	15.40	MAY	1956	1	28.60
1955	JUL	31	4.39	MAY	1974	1	30.30
1955	AUG	29	2.83	MAY	1968	31	30.90
1955	SEP	9	2.49	MAY	1958	22	34.50
1951	MAY	31	39.60	JUN	1953	30	15.40
1951	JUN	19	19.50	JUN	1980	30	16.20
1951	JUL	27	9.94	JUN	1965	26	18.70
1951	AUG	31	5.41	JUN	1951	19	19.50
1951	SEP	1	5.41	JUN	1976	13	20.40
1976	MAY	30	41.60	JUL	1955	31	4.39
1976	JUN	13	20.40	JUL	1963	29	7.70
1976	JUL	19	13.90	JUL	1959	30	8.35
1976	AUG	31	7.45	JUL	1979	29	9.00
1976	SEP	3	6.60	JUL	1951	27	9.94
1957	MAY	26	27.30	AUG	1955	29	2.83
1957	JUN	11	27.30	AUG	1975	31	4.39
1957	JUL	31	20.30	AUG	1963	18	5.10
1957	AUG	24	8.35	AUG	1951	31	5.41
1957	SEP	1	8.35	AUG	1965	15	6.43
1956	MAY	1	28.60	SEP	1959	19	1.81
1956	JUN	26	32.80	SEP	1955	9	2.49
1956	JUL	21	17.40	SEP	1975	7	4.09
1956	AUG	21	7.70	SEP	1967	21	5.27
1956	SEP	1	8.35	SEP	1951	1	5.41

ALPHA= .0217 QO= 46.11


02HD010 SHELTER VALLEY BROOK NEAR GRAFTON
METHOD 2
ALPHA= 0.0087
MU= 0.0074
QO= 0.44
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02GC024 SILVER CREEK NEAR COPENHAGEN
METHOD 2
ALPHA= 0.0117
QO= 0.19
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02HD010 SHELTER VALLEY BROOK NEAR GRAFTON
METHOD 1
ALPHA= 0.0087
MU= 0.0074
QO= 0.44
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
SEP
1966
1968
1969
1967
1970


02GC024 SILVER CREEK NEAR COPENHAGEN
METHOD 1
ALPHA= 0.0117
QO= 0.19
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1971
1970
1977
1975
1972

02HD010 SHELTER VALLEY BROOK NEAR GRAFTON

DRAINAGE AREA 64.8 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	27	.377	MAY	1980	28	.344
1966	JUN	29	.272	MAY	1966	27	.377
1966	JUL	17	.227	MAY	1977	25	.399
1966	AUG	5	.246	MAY	1968	8	.416
1966	SEP	3	.263	MAY	1975	29	.416
1968	MAY	8	.416	JUN	1966	29	.272
1968	JUN	18	.377	JUN	1980	1	.361
1968	JUL	29	.263	JUN	1977	24	.362
1968	AUG	25	.263	JUN	1968	18	.377
1968	SEP	1	.283	JUN	1978	30	.377
1969	MAY	31	.462	JUL	1966	17	.227
1969	JUN	30	.396	JUL	1968	29	.263
1969	JUL	23	.326	JUL	1969	23	.326
1969	AUG	26	.289	JUL	1977	26	.328
1969	SEP	4	.272	JUL	1979	19	.329
1967	MAY	31	.459	AUG	1966	5	.246
1967	JUN	6	.391	AUG	1968	25	.263
1967	JUL	21	.348	AUG	1970	18	.280
1967	AUG	14	.283	AUG	1967	14	.283
1967	SEP	6	.292	AUG	1969	26	.289
1970	MAY	31	.481	SEP	1966	3	.263
1970	JUN	25	.396	SEP	1969	4	.272
1970	JUL	28	.343	SEP	1968	1	.283
1970	AUG	18	.280	SEP	1967	6	.292
1970	SEP	3	.309	SEP	1970	3	.309

ALPHA= .0087 MU= .0074 QO= .44

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1042.9	774.1	613.7	468.7	347.9	3247.3	5.01
CURVE 2	1031.6	767.0	628.2	508.4	407.5	3342.7	5.16

02GC024 SILVER CREEK NEAR COPENHAGEN

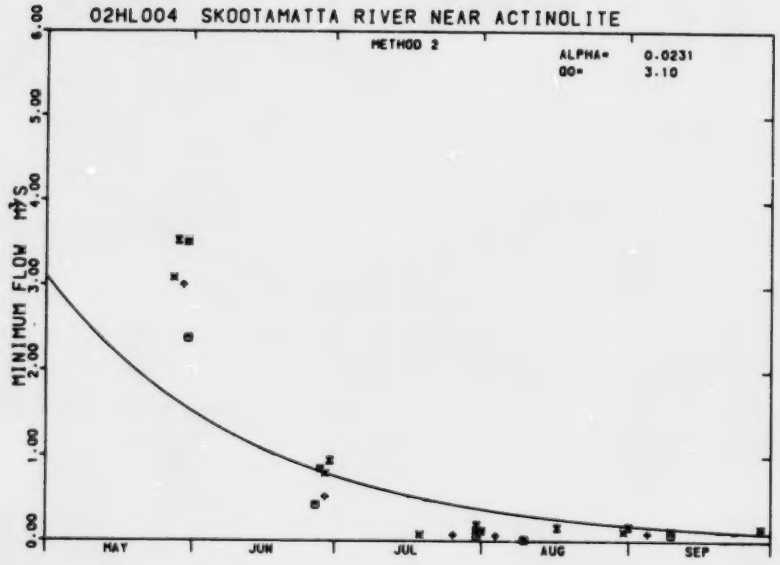
DRAINAGE AREA 27.2 SQ KM REGULATED

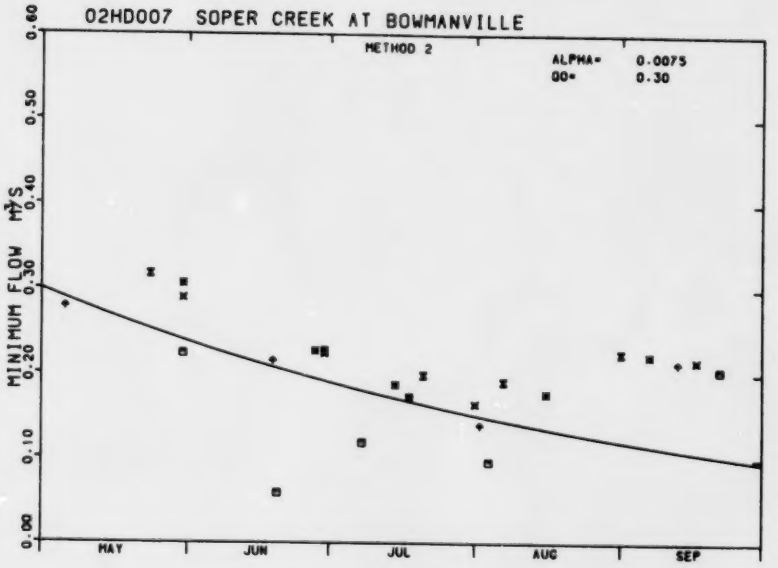
PERIOD OF RECORD 1970-78

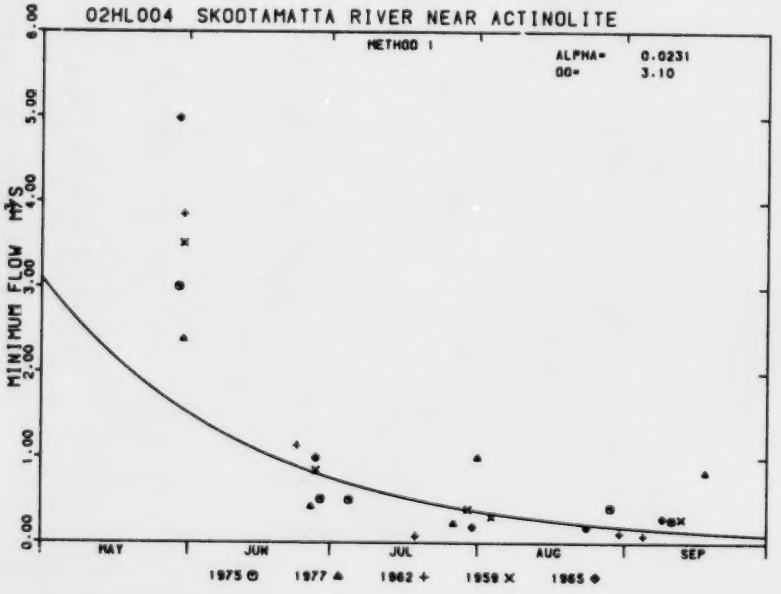
DISCHARGES IN CUBIC METRES PER SECOND

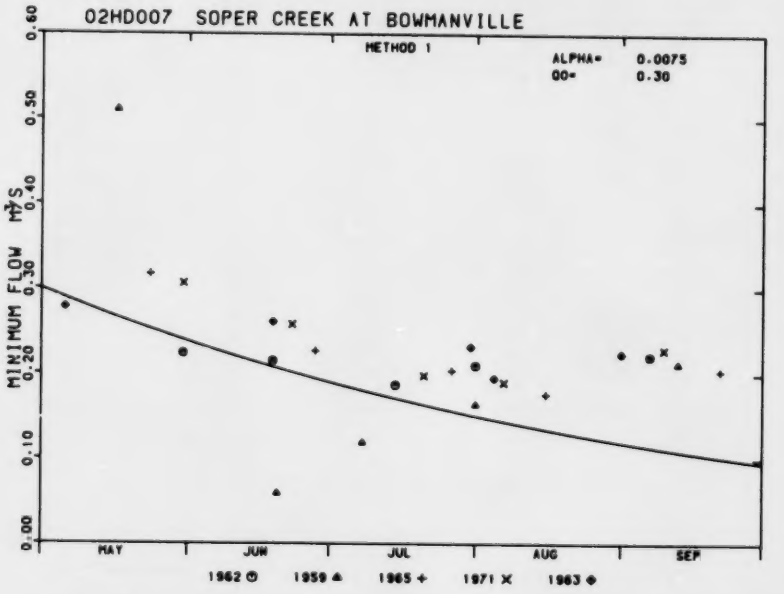
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	.136	MAY	1976	27	.105
1971	JUN	29	.096	MAY	1977	29	.127
1971	JUL	17	.042	MAY	1971	23	.136
1971	AUG	4	.026	MAY	1972	29	.147
1971	SEP	1	.088	MAY	1970	30	.164
1970	MAY	30	.164	JUN	1971	29	.096
1970	JUN	10	.119	JUN	1970	10	.119
1970	JUL	13	.108	JUN	1977	24	.122
1970	AUG	7	.057	JUN	1972	11	.130
1970	SEP	11	.096	JUN	1975	30	.144
1977	MAY	29	.127	JUL	1971	17	.042
1977	JUN	24	.122	JUL	1975	30	.051
1977	JUL	27	.085	JUL	1973	18	.079
1977	AUG	2	.099	JUL	1974	26	.081
1977	SEP	7	.122	JUL	1977	27	.085
1975	MAY	29	.164	AUG	1971	4	.026
1975	JUN	30	.144	AUG	1970	7	.037
1975	JUL	30	.051	AUG	1975	2	.074
1975	AUG	2	.074	AUG	1974	25	.099
1975	SEP	10	.130	AUG	1977	2	.099
1972	MAY	29	.147	SEP	1973	14	.079
1972	JUN	11	.130	SEP	1971	1	.088
1972	JUL	31	.113	SEP	1970	11	.096
1972	AUG	1	.105	SEP	1972	5	.099
1972	SEP	5	.099	SEP	1974	1	.102

ALPHA= .0117 QO= .19


02HL004 SKOOTAMATTA RIVER NEAR ACTINOLITE
METHOD 2
ALPHA= 0.0231
QO= 3.10
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP


02HD007 SOPER CREEK AT BOWMANVILLE
METHOD 2
ALPHA= 0.0075
QO= 0.30
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02HL004 SKOOTAMATTA RIVER NEAR ACTINOLITE
METHOD 1
ALPHA= 0.0231
QO= 3.10
MINIMUM FLOW M³/S
0.00
1.00
2.00
3.00
4.00
5.00
6.00
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1977 ▲ 1962 + 1959 × 1965 ◆


02HD007 SOPER CREEK AT BOWMANVILLE
METHOD 1
ALPHA= 0.0075
QO= 0.30
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1959 ▲ 1965 + 1971 × 1963 ◆

02HL004 SKOOTAMATTA RIVER NEAR ACTINOLITE

DRAINAGE AREA 712 SQ KM NATURAL FLOW

PERIOD OF RECORD 1955-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	30	3.00	MAY	1977	31	2.38
1975	JUN	29	.51	MAY	1975	30	3.00
1975	JUL	5	.30	MAY	1968	28	3.09
1975	AUG	29	.41	MAY	1959	31	3.51
1975	SEP	11	.27	MAY	1980	29	3.53
1977	MAY	31	2.38	JUN	1977	27	.42
1977	JUN	27	.42	JUN	1975	29	.51
1977	JUL	27	.23	JUN	1976	29	.80
1977	AUG	1	1.80	JUN	1959	28	.85
1977	SEP	18	.83	JUN	1978	30	.95
1962	MAY	31	3.85	JUL	1964	31	.07
1962	JUN	24	1.14	JUL	1963	26	.07
1962	JUL	19	.08	JUL	1962	19	.08
1962	AUG	31	.11	JUL	1966	31	.14
1962	SEP	5	.09	JUL	1965	31	.19
1959	MAY	31	3.51	AUG	1964	10	.02
1959	JUN	28	.85	AUG	1963	4	.06
1959	JUL	30	.40	AUG	1962	31	.11
1959	AUG	4	.31	AUG	1966	1	.13
1959	SEP	13	.28	AUG	1961	17	.16
1965	MAY	30	4.98	SEP	1963	10	.08
1965	JUN	28	.99	SEP	1962	5	.09
1965	JUL	31	.19	SEP	1969	10	.13
1965	AUG	24	.18	SEP	1960	29	.15
1965	SEP	9	.29	SEP	1957	1	.17

ALPHA= .0231 QO= 3.10

02HG007 SOPER CREEK AT BOWMANVILLE

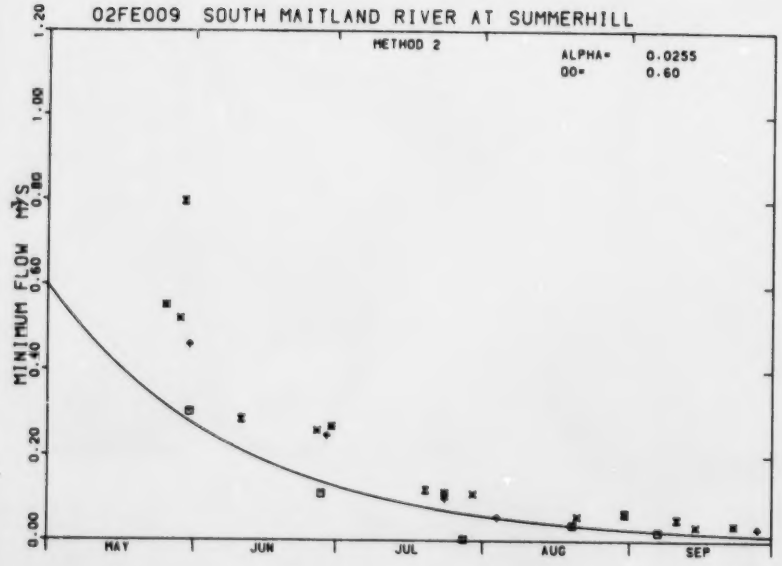
DRAINAGE AREA 77.7 SQ KM NATURAL FLOW

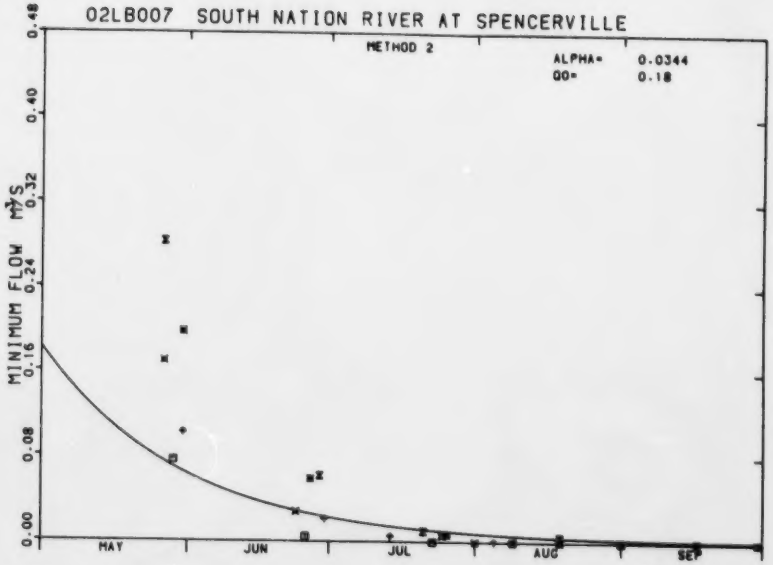
PERIOD OF RECORD 1959-80

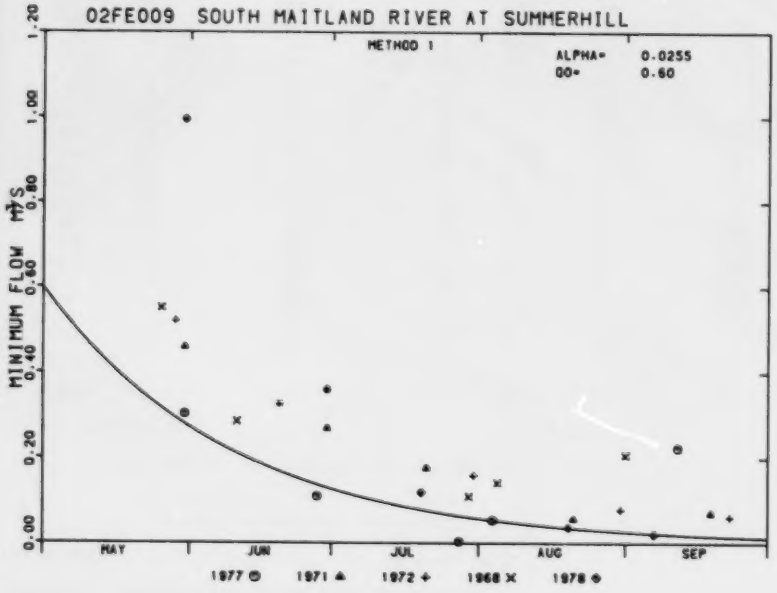
DISCHARGES IN CUBIC METRES PER SECOND

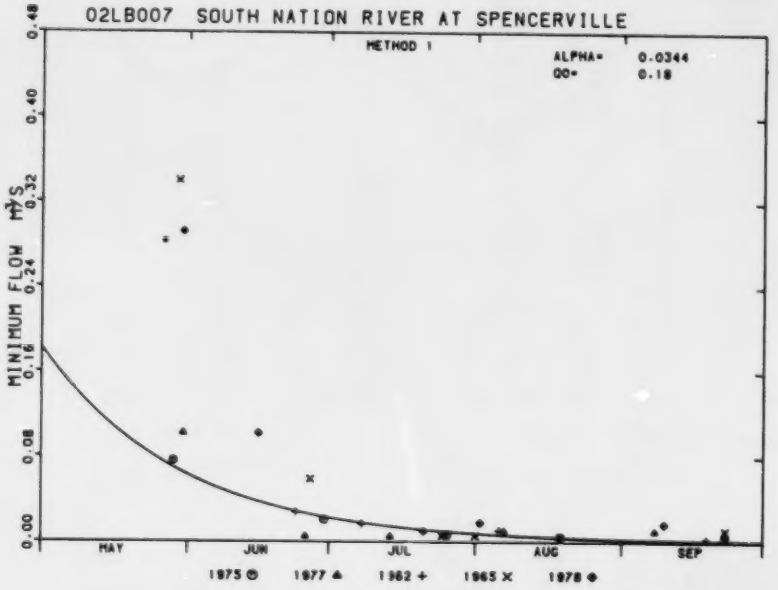
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	31	.224	MAY	1962	31	.224
1962	JUN	19	.215	MAY	1963	6	.270
1962	JUL	15	.187	MAY	1964	31	.289
1962	AUG	1	.210	MAY	1971	31	.306
1962	SEP	7	.221	MAY	1965	24	.317
1959	MAY	17	.510	JUN	1959	20	.059
1959	JUN	20	.059	JUN	1962	19	.215
1959	JUL	8	.119	JUN	1966	30	.224
1959	AUG	1	.164	JUN	1965	28	.227
1959	SEP	13	.212	JUN	1975	30	.227
1965	MAY	24	.317	JUL	1959	8	.119
1965	JUN	28	.227	JUL	1966	18	.173
1965	JUL	27	.204	JUL	1975	18	.173
1965	AUG	16	.176	JUL	1962	19	.187
1965	SEP	22	.204	JUL	1971	21	.198
1971	MAY	31	.306	AUG	1960	4	.096
1971	JUN	23	.258	AUG	1975	2	.139
1971	JUL	21	.198	AUG	1959	1	.164
1971	AUG	7	.190	AUG	1965	16	.176
1971	SEP	10	.229	AUG	1971	7	.190
1963	MAY	6	.278	SEP	1965	22	.204
1963	JUN	19	.261	SEP	1959	13	.212
1963	JUL	31	.232	SEP	1966	17	.215
1963	AUG	5	.195	SEP	1962	7	.221
1963	SEP	1	.224	SEP	1963	1	.224

ALPHA= .0075 QO= .30


02FE009 SOUTH MAITLAND RIVER AT SUMMERHILL
METHOD 2
ALPHA= 0.0255
QO= 0.60
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP


02LB007 SOUTH NATION RIVER AT SPENCERVILLE
METHOD 2
ALPHA= 0.0344
QO= 0.18
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02FE009 SOUTH MAITLAND RIVER AT SUMMERHILL
METHOD 1
ALPHA= 0.0255
QO= 0.60
MINIMUM FLOW M³/S
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1971 ▲ 1972 + 1968 × 1978 ◆


02LB007 SOUTH NATION RIVER AT SPENCERVILLE
METHOD 1
ALPHA= 0.0344
QO= 0.18
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1975 ⊙ 1977 ▲ 1962 + 1965 × 1978 ◆

02FE009 SOUTH MAITLAND RIVER AT SUMMERHILL

DRAINAGE AREA 376 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.383	MAY	1977	31	.383
1977	JUN	28	.110	MAY	1971	31	.459
1977	JUL	28	.004	MAY	1972	29	.521
1977	AUG	4	.054	MAY	1968	26	.552
1977	SEP	12	.224	MAY	1975	30	.796
1971	MAY	31	.459	JUN	1977	28	.110
1971	JUN	30	.269	JUN	1970	29	.246
1971	JUL	21	.176	JUN	1979	27	.259
1971	AUG	21	.057	JUN	1971	30	.269
1971	SEP	19	.071	JUN	1968	11	.286
1972	MAY	29	.521	JUL	1977	28	.004
1972	JUN	28	.326	JUL	1979	24	.098
1972	JUL	31	.159	JUL	1968	30	.110
1972	AUG	31	.079	JUL	1973	24	.113
1972	SEP	23	.062	JUL	1978	20	.119
1968	MAY	26	.552	AUG	1978	20	.037
1968	JUN	11	.286	AUG	1977	4	.054
1968	JUL	30	.110	AUG	1971	21	.057
1968	AUG	5	.142	AUG	1974	31	.062
1968	SEP	1	.207	AUG	1969	31	.065
1978	MAY	31	.994	SEP	1978	7	.021
1978	JUN	30	.360	SEP	1979	28	.029
1978	JUL	20	.119	SEP	1973	15	.034
1978	AUG	20	.037	SEP	1969	23	.037
1978	SEP	7	.021	SEP	1974	11	.051

ALPHA= .0255 QO= .60

02LB007 SOUTH NATION RIVER AT SPENCERVILLE

DRAINAGE AREA 246 SQ KM NATURAL FLOW

PERIOD OF RECORD 1948-80

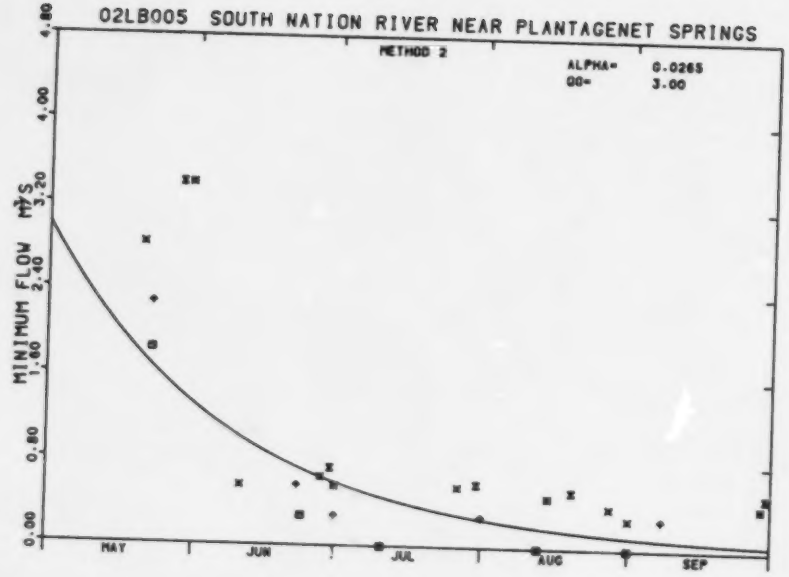
DISCHARGES IN CUBIC METRES PER SECOND

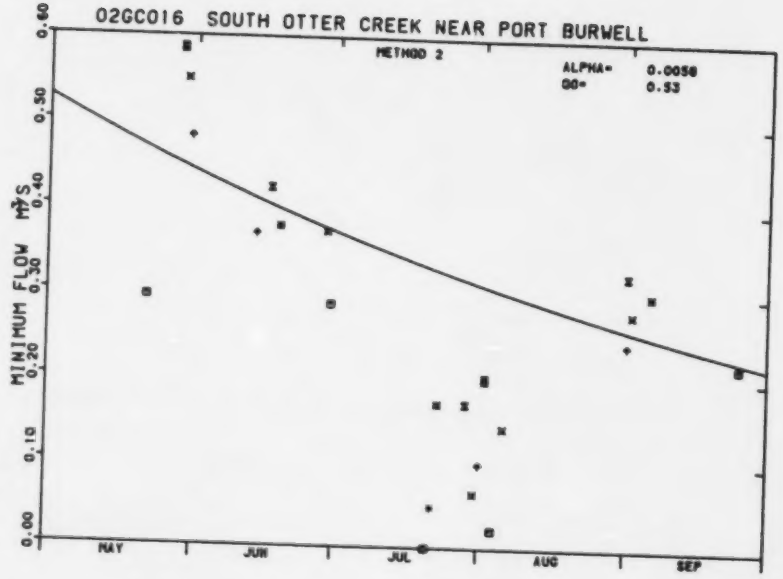
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1975	MAY	29	.076	MAY	1975	29	.076
1975	JUN	30	.021	MAY	1977	31	.102
1975	JUL	26	.007	MAY	1951	27	.170
1975	AUG	19	.005	MAY	1959	31	.198
1975	SEP	23	.005	MAY	1962	27	.283
1977	MAY	31	.102	JUN	1977	26	.005
1977	JUN	26	.005	JUN	1975	30	.021
1977	JUL	14	.005	JUN	1962	24	.028
1977	AUG	7	.010	JUN	1965	27	.059
1977	SEP	8	.010	JUN	1963	29	.062
1962	MAY	27	.283	JUL	1958	23	0.000
1962	JUN	24	.028	JUL	1977	14	.005
1962	JUL	8	.017	JUL	1965	25	.006
1962	AUG	6	.011	JUL	1975	26	.007
1962	SEP	19	.003	JUL	1978	21	.010
1965	MAY	30	.340	AUG	1956	9	0.000
1965	JUN	27	.059	AUG	1957	5	0.000
1965	JUL	25	.006	AUG	1958	1	0.000
1965	AUG	1	.006	AUG	1964	19	0.000
1965	SEP	23	.011	AUG	1975	19	.005
1978	MAY	31	.292	SEP	1956	1	0.000
1978	JUN	16	.102	SEP	1957	1	0.000
1978	JUL	21	.010	SEP	1958	1	0.000
1978	AUG	2	.018	SEP	1966	30	0.000
1978	SEP	10	.017	SEP	1967	17	0.000

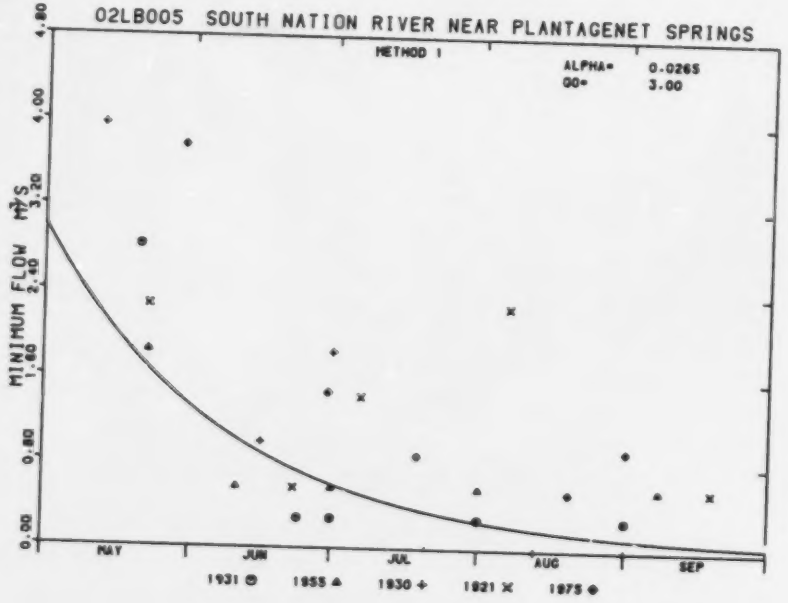
ALPHA= .0344 QO= .18

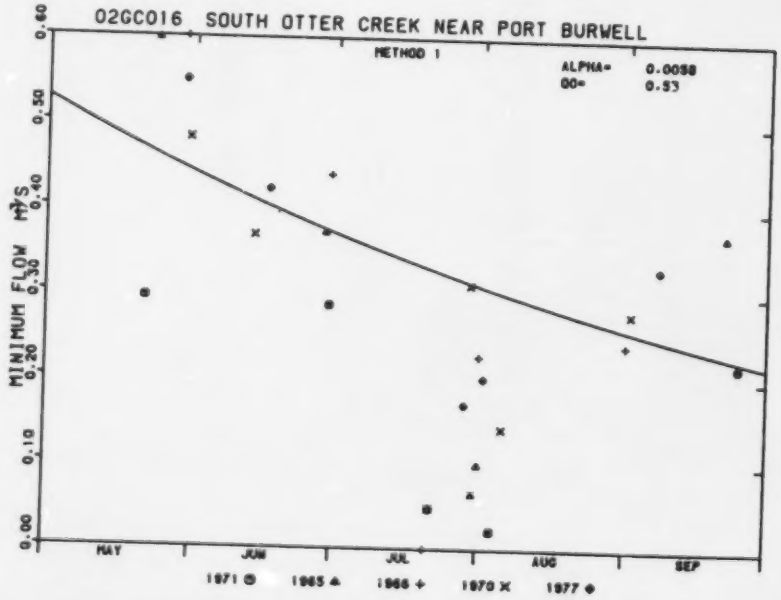
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.992	.087	.010	.008	.004


02LB005 SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS
METHOD 2
ALPHA= 0.0265
GO= 3.00
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP


02GC016 SOUTH OTTER CREEK NEAR PORT BURWELL
METHOD 2
ALPHA= 0.0058
GO= 0.53
MINIMUM FLOW M³/S
0.60
0.50
0.40
0.30
0.20
0.10
0.00
MAY
JUN
JUL
AUG
SEP


02LB005 SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS
METHOD 1
ALPHA= 0.0265
GO= 3.00
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP
1931 ●
1955 ▲
1930 +
1921 ×
1975 ◆


02GC016 SOUTH OTTER CREEK NEAR PORT BURWELL
METHOD 1
ALPHA= 0.0058
GO= 0.53
MINIMUM FLOW M³/S
0.60
0.50
0.40
0.30
0.20
0.10
0.00
MAY
JUN
JUL
AUG
SEP
1971 ●
1965 ▲
1966 +
1970 ×
1977 ◆

02LB005 SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS

DRAINAGE AREA 3810 SQ KM REGULATED

PERIOD OF RECORD 1915-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1931	MAY	21	2.83	MAY	1955	23	1.84
1931	JUN	24	.28	MAY	1921	23	2.27
1931	JUL	1	.28	MAY	1931	21	2.83
1931	AUG	1	.28	MAY	1920	31	3.40
1931	SEP	1	.28	MAY	1922	29	3.40
1955	MAY	23	1.84	JUN	1931	24	.28
1955	JUN	11	.57	JUN	1921	23	.57
1955	JUL	1	.57	JUN	1955	11	.57
1955	AUG	1	.57	JUN	1933	28	.65
1955	SEP	8	.57	JUN	1965	30	.74
1930	MAY	13	3.96	JUL	1924	11	0.00
1930	JUN	16	.99	JUL	1931	1	.28
1930	JUL	1	1.84	JUL	1915	27	.57
1930	AUG	13	0.00	JUL	1955	1	.57
1930	SEP	1	0.00	JUL	1965	31	.60
1921	MAY	23	2.27	AUG	1930	13	0.00
1921	JUN	23	.57	AUG	1931	1	.28
1921	JUL	7	1.42	AUG	1980	28	.39
1921	AUG	7	2.27	AUG	1964	15	.48
1921	SEP	19	.57	AUG	1975	20	.54
1975	MAY	30	3.77	SEP	1930	1	0.00
1975	JUN	30	1.46	SEP	1929	8	.28
1975	JUL	19	.88	SEP	1931	1	.28
1975	AUG	20	.54	SEP	1964	29	.41
1975	SEP	1	.93	SEP	1957	30	.51

ALPHA= .0265 QO= 3.00

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
7.080	1.600	.566	.283	.283

02GC016 SOUTH OTTER CREEK NEAR PORT BURWELL

DRAINAGE AREA 109 SQ KM REGULATED

PERIOD OF RECORD 1964-78

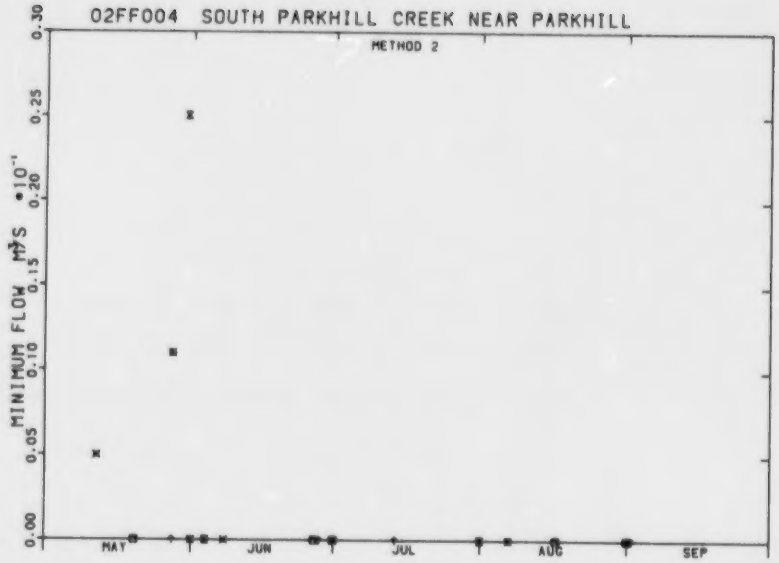
DISCHARGES IN CUBIC METRES PER SECOND

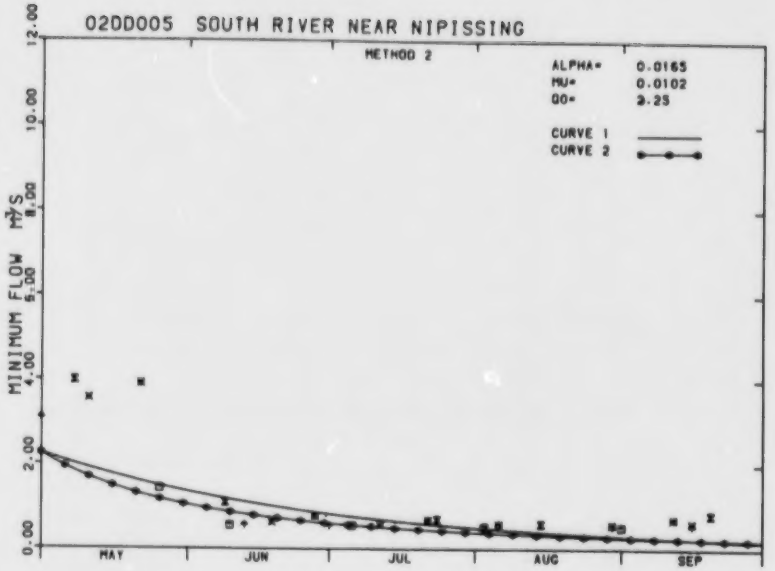
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	22	.294	MAY	1971	22	.294
1971	JUN	30	.286	MAY	1970	31	.481
1971	JUL	22	.048	MAY	1977	30	.549
1971	AUG	4	.022	MAY	1975	29	.583
1971	SEP	25	.218	MAY	1972	29	.586
1965	MAY	24	.397	JUN	1971	30	.286
1965	JUN	29	.371	JUN	1970	14	.368
1965	JUL	31	.065	JUN	1965	29	.371
1965	AUG	1	.099	JUN	1972	19	.377
1965	SEP	22	.371	JUN	1977	17	.422
1966	MAY	30	.600	JUL	1966	21	0.000
1966	JUN	30	.439	JUL	1971	22	.048
1966	JUL	21	0.000	JUL	1965	31	.065
1966	AUG	1	.227	JUL	1973	23	.170
1966	SEP	1	.241	JUL	1977	29	.170
1970	MAY	31	.481	AUG	1971	4	.022
1970	JUN	14	.368	AUG	1965	1	.099
1970	JUL	30	.311	AUG	1970	6	.142
1970	AUG	6	.142	AUG	1975	2	.198
1970	SEP	2	.278	AUG	1977	2	.201
1977	MAY	30	.549	SEP	1971	25	.218
1977	JUN	17	.422	SEP	1966	1	.241
1977	JUL	29	.170	SEP	1970	2	.278
1977	AUG	2	.201	SEP	1973	4	.300
1977	SEP	8	.331	SEP	1974	1	.323

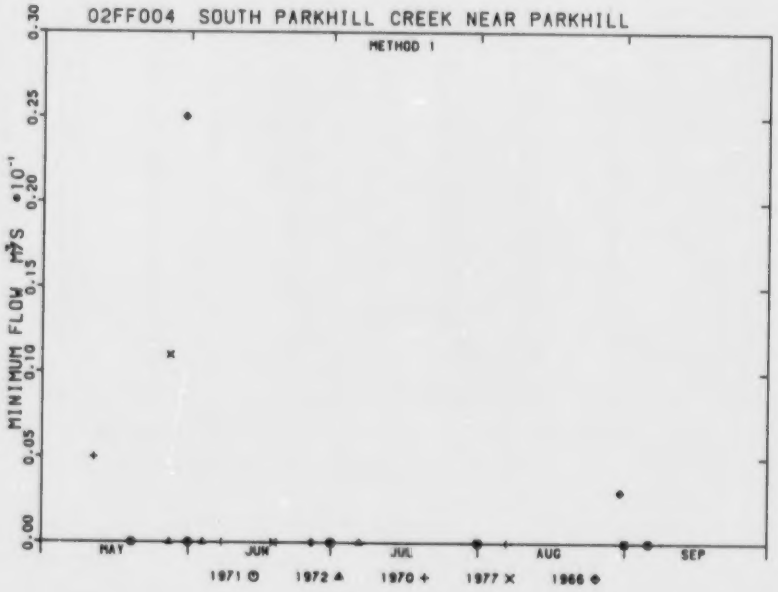
ALPHA= .0058 QO= .53

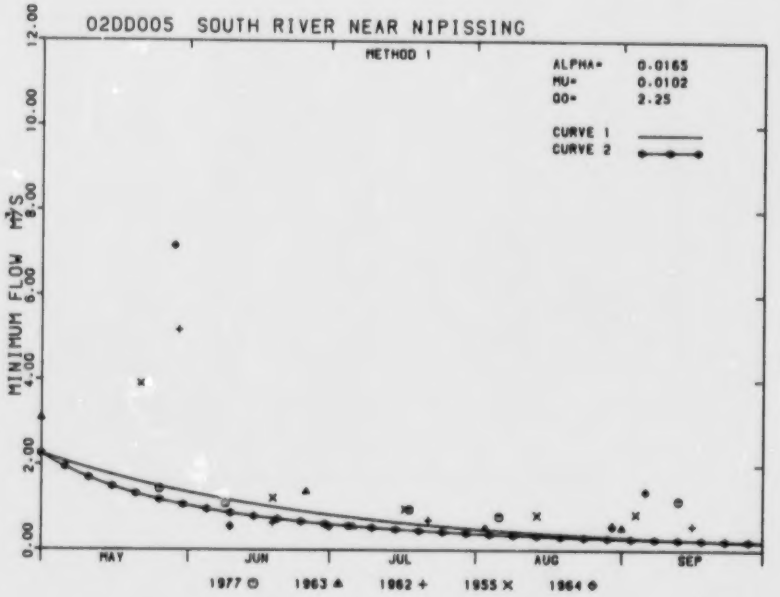
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.706	.426	.146	.165	.257


02FF004 SOUTH PARKHILL CREEK NEAR PARKHILL
METHOD 2
MINIMUM FLOW M³/S •10⁻¹
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP


02DD005 SOUTH RIVER NEAR NIPISSING
METHOD 2
ALPHA= 0.0165
MU= 0.0102
QO= 2.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02FF004 SOUTH PARKHILL CREEK NEAR PARKHILL
METHOD 1
MINIMUM FLOW M³/S •10⁻¹
0.00
0.05
0.10
0.15
0.20
0.25
0.30
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1972 ▲ 1970 + 1977 × 1966 ◆


02DD005 SOUTH RIVER NEAR NIPISSING
METHOD 1
ALPHA= 0.0165
MU= 0.0102
QO= 2.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1977 ⊙ 1963 ▲ 1962 + 1955 × 1964 ◆

02FF004 SOUTH PARKHILL CREEK NEAR PARKHILL

DRAINAGE AREA 41.4 SQ KM NATURAL FLOW

PERIOD OF RECORD 1955-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	20	0.000	MAY	1971	20	0.000
1971	JUN	1	0.000	MAY	1972	28	0.000
1971	JUL	1	0.000	MAY	1970	12	.005
1971	AUG	1	0.000	MAY	1977	28	.011
1971	SEP	6	0.000	MAY	1966	31	.025
1972	MAY	28	0.000	JUN	1966	27	0.000
1972	JUN	4	0.000	JUN	1969	28	0.000
1972	JUL	7	0.000	JUN	1970	8	0.000
1972	AUG	1	0.000	JUN	1971	1	0.000
1972	SEP	1	0.000	JUN	1972	4	0.000
1970	MAY	12	.005	JUL	1966	1	0.000
1970	JUN	8	0.000	JUL	1968	14	0.000
1970	JUL	1	0.000	JUL	1969	1	0.000
1970	AUG	7	0.000	JUL	1970	1	0.000
1970	SEP	1	0.000	JUL	1971	1	0.000
1977	MAY	28	.011	AUG	1967	17	0.000
1977	JUN	19	0.000	AUG	1968	1	0.000
1977	JUL	1	0.000	AUG	1969	1	0.000
1977	AUG	1	0.000	AUG	1970	7	0.000
1977	SEP	1	0.000	AUG	1971	1	0.000
1966	MAY	31	.025	SEP	1966	1	0.000
1966	JUN	27	0.000	SEP	1967	2	0.000
1966	JUL	1	0.000	SEP	1968	1	0.000
1966	AUG	31	.003	SEP	1969	1	0.000
1966	SEP	1	0.000	SEP	1970	1	0.000

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.037	.009	0.000	0.000	0.000

02DD005 SOUTH RIVER NEAR NIPISSING

DRAINAGE AREA 787 SQ KM REGULATED

PERIOD OF RECORD 1936-80

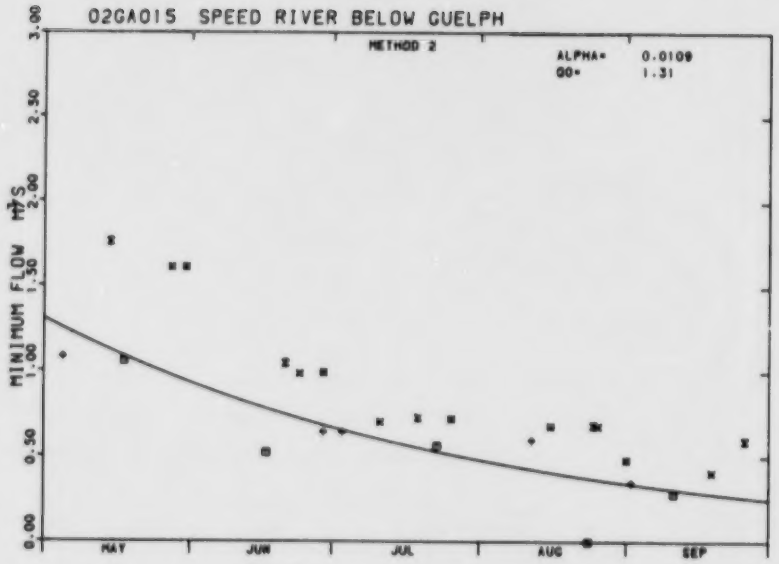
DISCHARGES IN CUBIC METRES PER SECOND

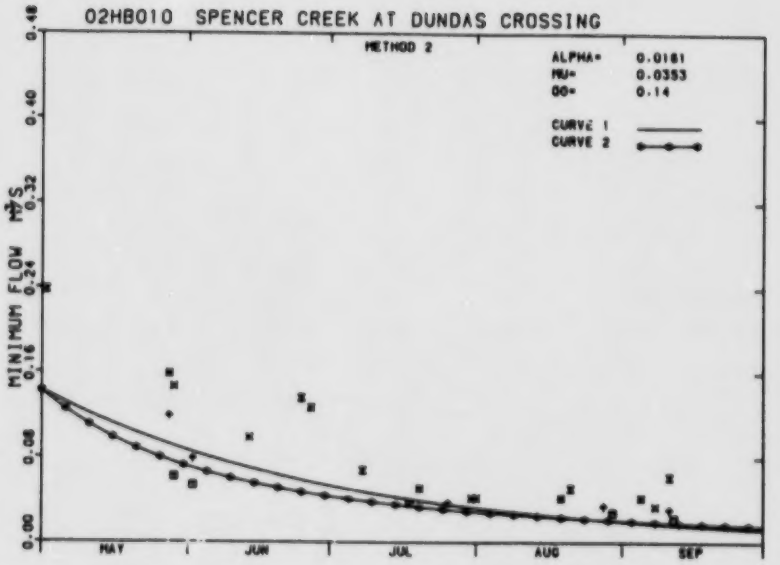
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	26	1.44	MAY	1977	26	1.44
1977	JUN	9	1.10	MAY	1963	1	3.09
1977	JUL	18	.95	MAY	1968	11	3.97
1977	AUG	6	.79	MAY	1955	22	3.91
1977	SEP	13	1.16	MAY	1957	8	3.99
1963	MAY	1	3.09	JUN	1964	10	.56
1963	JUN	26	1.37	JUN	1960	13	.57
1963	JUL	6	.55	JUN	1962	19	.64
1963	AUG	3	.52	JUN	1974	28	.78
1963	SEP	1	.52	JUN	1977	9	1.10
1962	MAY	30	5.18	JUL	1963	6	.55
1962	JUN	19	.64	JUL	1964	1	.56
1962	JUL	22	.70	JUL	1971	12	.58
1962	AUG	30	.58	JUL	1979	22	.69
1962	SEP	16	.57	JUL	1978	24	.70
1955	MAY	22	3.91	AUG	1963	3	.52
1955	JUN	19	1.22	AUG	1964	30	.56
1955	JUL	17	.96	AUG	1962	30	.58
1955	AUG	14	.82	AUG	1971	6	.59
1955	SEP	4	.85	AUG	1974	15	.60
1964	MAY	29	7.16	SEP	1963	1	.52
1964	JUN	10	.56	SEP	1962	16	.57
1964	JUL	1	.56	SEP	1960	16	.62
1964	AUG	30	.56	SEP	1979	12	.71
1964	SEP	6	1.38	SEP	1953	20	.82

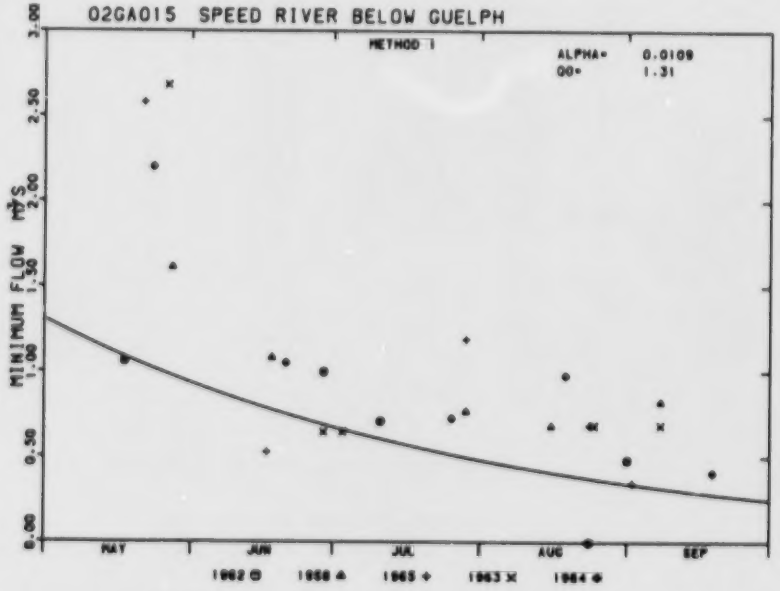
ALPHA= .0165 MU= .0102 QO= 2.25

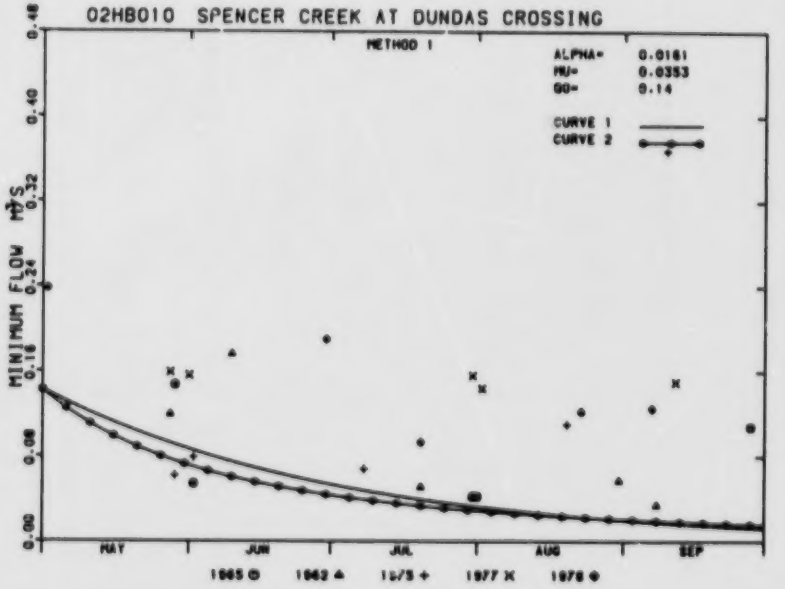
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	4730.0	2768.9	1733.2	1040.5	609.1	10881.7	1.38
CURVE 2	4097.5	2052.1	1298.9	671.5	607.9	8927.9	1.13


02GA015 SPEED RIVER BELOW GUELPH
METHOD 2
ALPHA= 0.0109
Q0= 1.31
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP


02HB010 SPENCER CREEK AT DUNDAS CROSSING
METHOD 2
ALPHA= 0.0181
MU= 0.0353
Q0= 0.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.48
0.40
0.32
0.24
0.16
0.08
0.00
MAY
JUN
JUL
AUG
SEP


02GA015 SPEED RIVER BELOW GUELPH
METHOD 1
ALPHA= 0.0109
Q0= 1.31
MINIMUM FLOW M³/S
3.00
2.50
2.00
1.50
1.00
0.50
0.00
MAY
JUN
JUL
AUG
SEP
1962
1963
1965
1963
1964


02HB010 SPENCER CREEK AT DUNDAS CROSSING
METHOD 1
ALPHA= 0.0181
MU= 0.0353
Q0= 0.14
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.48
0.40
0.32
0.24
0.16
0.08
0.00
MAY
JUN
JUL
AUG
SEP
1965
1962
1975
1977
1978

02GA019 SPEED RIVER BELOW GUELPH

DRAINAGE AREA 993 SQ KM REGULATED

PERIOD OF RECORD 1950-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	18	1.06	MAY	1962	18	1.06
1962	JUN	29	1.00	MAY	1952	9	1.08
1962	JUL	11	.71	MAY	1958	28	1.61
1962	AUG	24	0.00	MAY	1977	31	1.61
1962	SEP	1	.48	MAY	1961	15	1.76
1958	MAY	26	1.61	JUN	1965	17	.58
1958	JUN	18	1.08	JUN	1963	29	.65
1958	JUL	29	.77	JUN	1959	24	.99
1958	AUG	16	.68	JUN	1962	29	1.00
1958	SEP	8	.82	JUN	1964	21	1.05
1965	MAY	22	2.58	JUL	1955	23	.57
1965	JUN	17	.53	JUL	1963	3	.65
1965	JUL	29	1.19	JUL	1962	11	.71
1965	AUG	24	.69	JUL	1964	26	.73
1965	SEP	2	.35	JUL	1973	19	.73
1963	MAY	27	2.68	AUG	1962	24	0.00
1963	JUN	29	.65	AUG	1955	12	.60
1963	JUL	3	.65	AUG	1950	26	.68
1963	AUG	25	.69	AUG	1958	16	.68
1963	SEP	8	.69	AUG	1963	25	.69
1964	MAY	24	2.20	SEP	1959	11	.28
1964	JUN	21	1.09	SEP	1965	2	.35
1964	JUL	26	.72	SEP	1964	19	.41
1964	AUG	19	.98	SEP	1962	1	.48
1964	SEP	19	.41	SEP	1955	26	.60

ALPHA= .0109 QO= 1.31

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
2.720	1.370	.921	.935	.902

02HB010 SPENCER CREEK AT DUNDAS CROSSING

DRAINAGE AREA 166 SQ KM REGULATED

PERIOD OF RECORD 1960-80

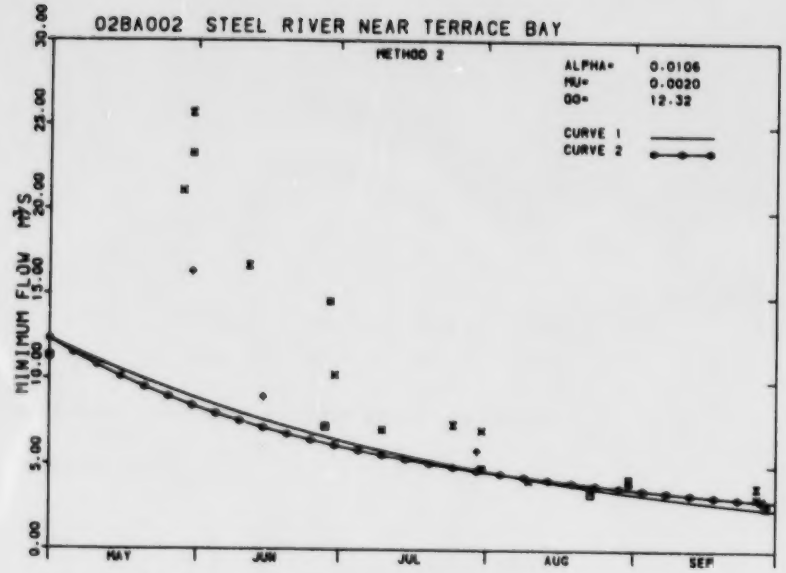
DISCHARGES IN CUBIC METRES PER SECOND

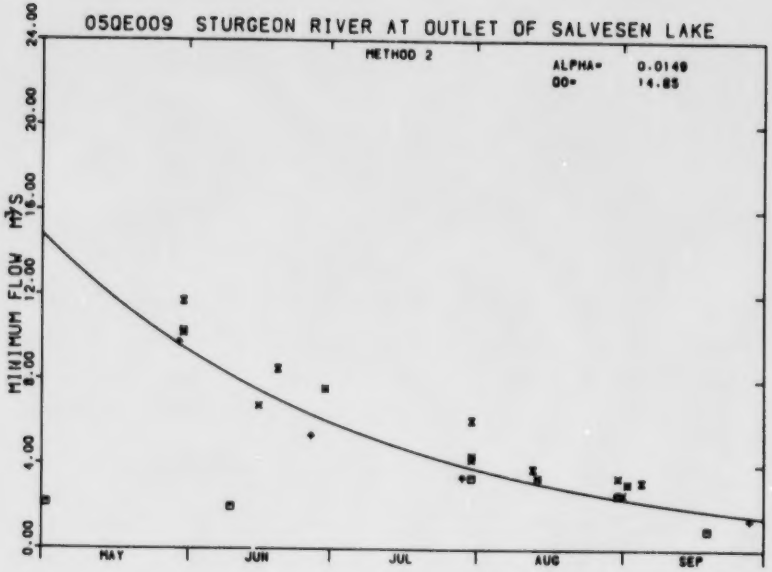
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	29	.147	MAY	1975	29	.062
1965	JUN	2	.054	MAY	1962	28	.119
1965	JUL	31	.042	MAY	1965	29	.147
1965	AUG	1	.042	MAY	1977	28	.159
1965	SEP	28	.108	MAY	1978	2	.238
1962	MAY	28	.119	JUN	1965	2	.054
1962	JUN	10	.176	JUN	1975	2	.079
1962	JUL	20	.051	JUN	1964	14	.099
1962	AUG	31	.037	JUN	1963	27	.127
1962	SEP	6	.034	JUN	1970	25	.136
1975	MAY	29	.062	JUL	1963	18	.037
1975	JUN	2	.079	JUL	1966	26	.037
1975	JUL	8	.068	JUL	1965	31	.042
1975	AUG	20	.110	JUL	1962	20	.091
1975	SEP	10	.368	JUL	1975	8	.068
1977	MAY	28	.159	AUG	1966	30	.028
1977	JUN	1	.156	AUG	1963	28	.034
1977	JUL	31	.196	AUG	1965	1	.042
1977	AUG	2	.144	AUG	1969	19	.042
1977	SEP	12	.150	AUG	1971	21	.051
1978	MAY	2	.238	SEP	1966	12	.023
1978	JUN	30	.190	SEP	1963	11	.031
1978	JUL	20	.093	SEP	1962	8	.034
1978	AUG	23	.122	SEP	1969	9	.042
1978	SEP	7	.125	SEP	1973	11	.062

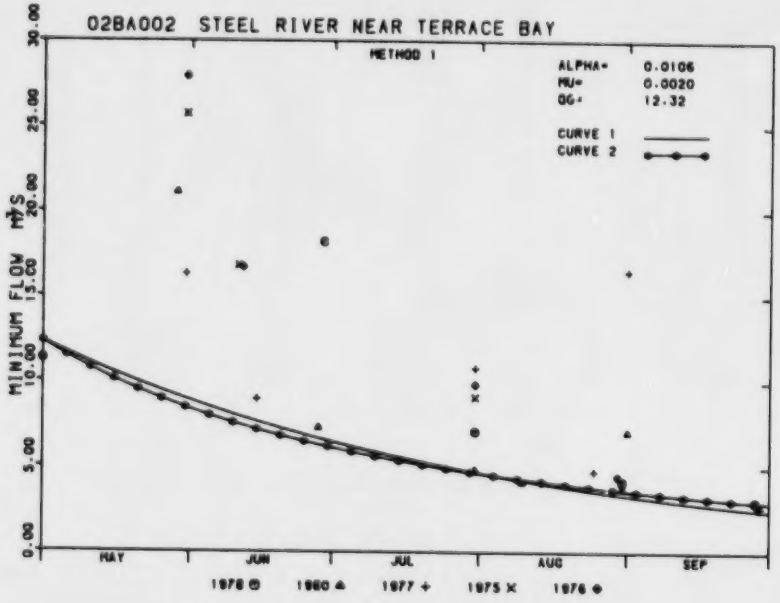
ALPHA= .0161 MU= .0353 QO= .14

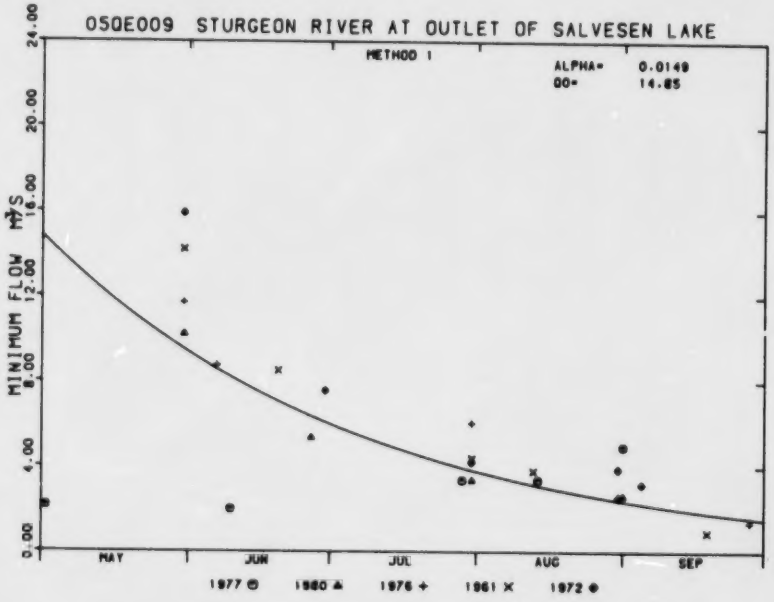
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	300.5	177.9	112.6	68.4	40.5	699.8	.42
CURVE 2	270.0	144.1	94.5	64.9	46.0	619.5	.37


02BA002 STEEL RIVER NEAR TERRACE BAY
METHOD 2
ALPHA= 0.0106
MU= 0.0020
QQ= 12.32
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP


050E009 STURGEON RIVER AT OUTLET OF SALVESEN LAKE
METHOD 2
ALPHA= 0.0149
QQ= 14.85
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02BA002 STEEL RIVER NEAR TERRACE BAY
METHOD 1
ALPHA= 0.0106
MU= 0.0020
QQ= 12.32
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP
1978 ●
1980 ▲
1977 +
1975 ×
1976 ◆


050E009 STURGEON RIVER AT OUTLET OF SALVESEN LAKE
METHOD 1
ALPHA= 0.0149
QQ= 14.85
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1977 ●
1980 ▲
1976 +
1981 ×
1972 ◆

02BA002 STEEL RIVER NEAR TERRACE BAY

DRAINAGE AREA 1190 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1978	MAY	1	11.30	MAY	1978	1	11.30
1978	JUN	29	18.20	MAY	1977	31	16.30
1978	JUL	31	7.08	MAY	1980	29	21.10
1978	AUG	31	4.19	MAY	1973	31	23.30
1978	SEP	28	3.03	MAY	1975	31	29.70
1980	MAY	29	21.10	JUN	1980	28	7.28
1980	JUN	28	7.28	JUN	1977	15	8.95
1980	JUL	31	4.80	JUN	1972	30	10.30
1980	AUG	10	4.11	JUN	1971	29	14.60
1980	SEP	1	7.06	JUN	1976	12	16.70
1977	MAY	31	16.30	JUL	1980	31	4.80
1977	JUN	15	8.95	JUL	1979	30	5.84
1977	JUL	31	10.80	JUL	1978	31	7.08
1977	AUG	25	4.76	JUL	1972	10	7.11
1977	SEP	1	16.50	JUL	1971	25	7.42
1975	MAY	31	29.70	AUG	1979	23	3.34
1975	JUN	11	16.80	AUG	1975	31	3.85
1975	JUL	31	9.09	AUG	1980	10	4.11
1975	AUG	31	3.85	AUG	1971	31	4.19
1975	SEP	29	2.83	AUG	1978	31	4.19
1976	MAY	31	27.90	SEP	1976	29	2.83
1976	JUN	12	16.70	SEP	1975	29	2.83
1976	JUL	31	9.83	SEP	1978	28	3.03
1976	AUG	30	4.47	SEP	1971	27	3.14
1976	SEP	29	2.63	SEP	1979	27	3.76

ALPHA= .0106 MU= .0020 QO= 12.32

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	28126.3	19690.1	14726.8	10600.0	7420.6	80563.8	6.77
CURVE 2	27188.7	18518.3	14209.3	10921.4	6405.3	79243.0	6.66

05QE009 STURGEON RIVER AT OUTLET OF SALVESEN LAKE

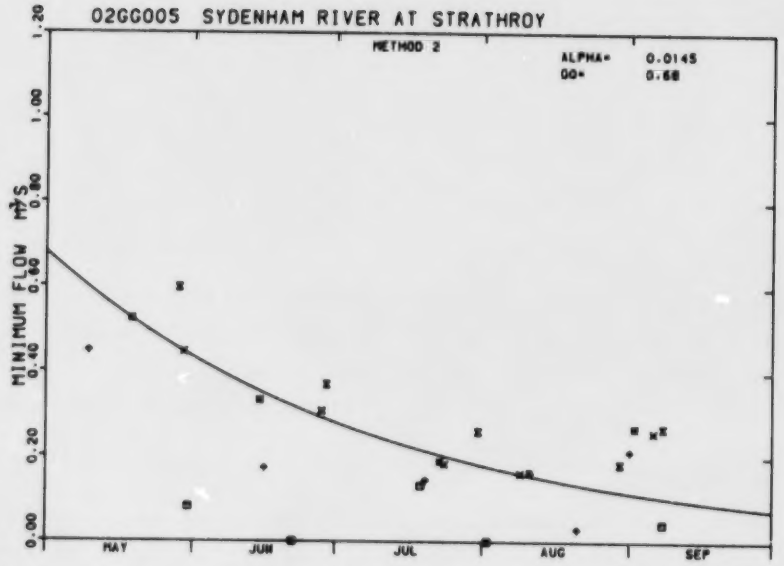
DRAINAGE AREA 1530 SQ KM NATURAL FLOW

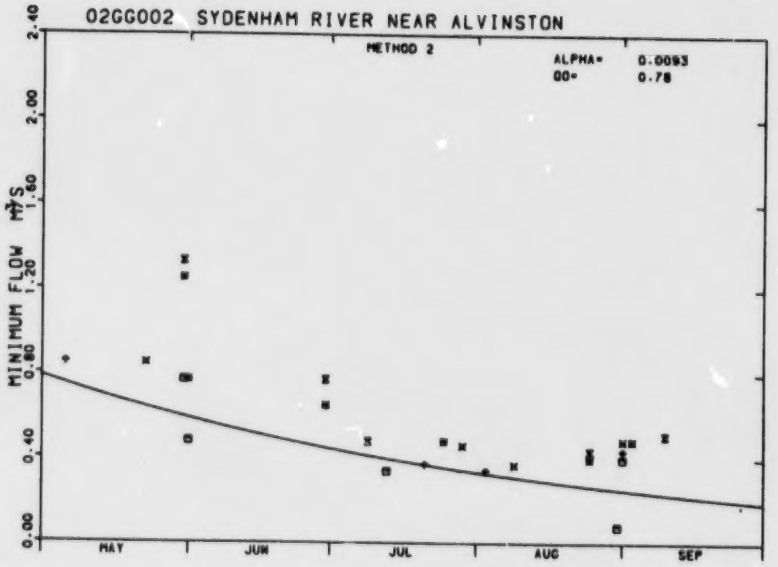
PERIOD OF RECORD 1960-80

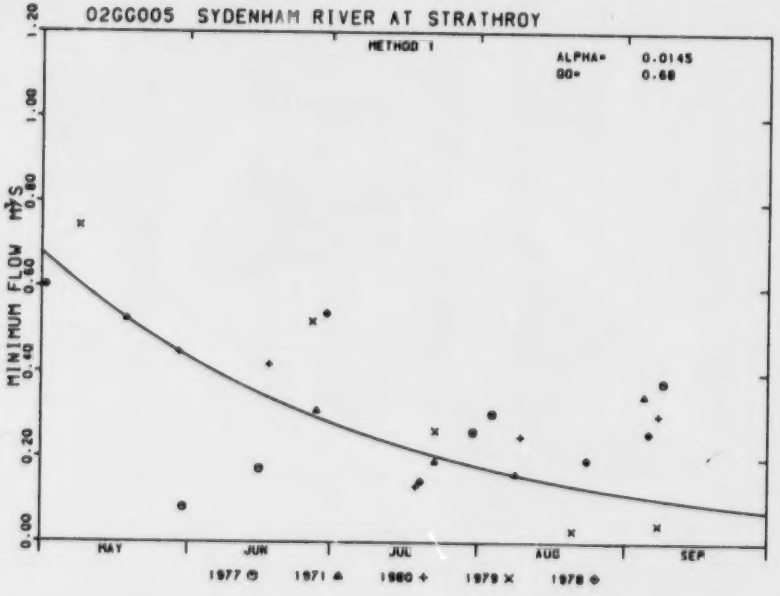
DISCHARGES IN CUBIC METRES PER SECOND

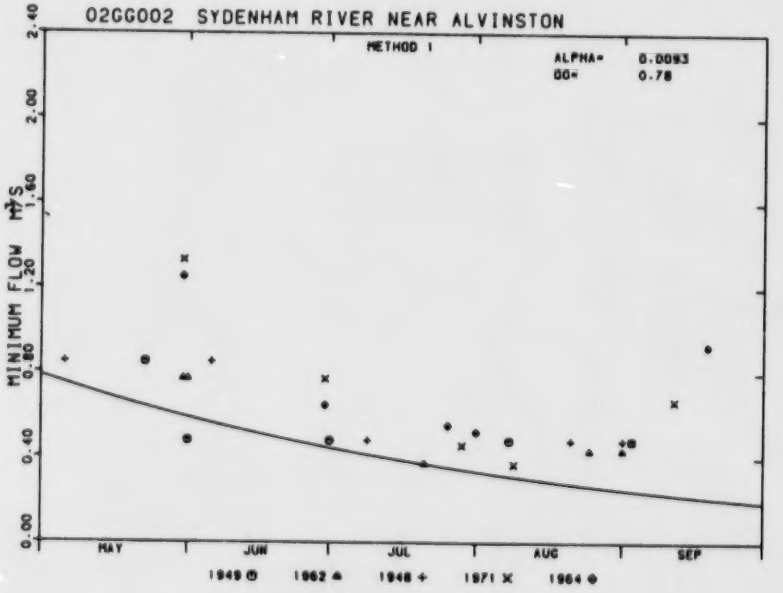
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	2	2.15	MAY	1977	2	2.15
1977	JUN	10	1.99	MAY	1973	30	9.74
1977	JUL	29	3.37	MAY	1980	31	10.20
1977	AUG	14	3.37	MAY	1969	31	10.30
1977	SEP	1	4.93	MAY	1976	31	11.70
1980	MAY	31	10.20	JUN	1977	10	1.99
1980	JUN	27	5.35	JUN	1980	27	5.35
1980	JUL	31	3.36	JUN	1973	16	6.77
1980	AUG	31	2.58	JUN	1972	30	7.96
1980	SEP	1	2.61	JUN	1961	20	8.50
1976	MAY	31	11.70	JUL	1980	31	3.36
1976	JUN	7	6.75	JUL	1977	29	3.37
1976	JUL	31	6.06	JUL	1972	31	4.22
1976	AUG	31	2.56	JUL	1961	31	4.39
1976	SEP	28	1.41	JUL	1976	31	6.06
1961	MAY	31	14.20	AUG	1976	31	2.56
1961	JUN	20	8.50	AUG	1980	31	2.58
1961	JUL	31	4.39	AUG	1971	31	3.37
1961	AUG	13	3.79	AUG	1977	14	3.37
1961	SEP	19	.93	AUG	1961	13	3.79
1972	MAY	31	15.90	SEP	1961	19	.93
1972	JUN	30	7.56	SEP	1976	28	1.41
1972	JUL	31	4.22	SEP	1980	1	2.61
1972	AUG	31	3.88	SEP	1971	2	3.09
1972	SEP	5	3.17	SEP	1972	5	3.17

ALPHA= .0149 QO= 14.85


02GG005 SYDENHAM RIVER AT STRATHROY
METHOD 2
ALPHA= 0.0145
QQ= 0.68
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GG002 SYDENHAM RIVER NEAR ALVINSTON
METHOD 2
ALPHA= 0.0093
QQ= 0.78
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GG005 SYDENHAM RIVER AT STRATHROY
METHOD 1
ALPHA= 0.0145
QQ= 0.68
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977
1971
1980
1979
1978


02GG002 SYDENHAM RIVER NEAR ALVINSTON
METHOD 1
ALPHA= 0.0093
QQ= 0.78
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1949
1962
1948
1971
1964

02GG009 SYDENHAM RIVER AT STRATHROY

DRAINAGE AREA 172 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.082	MAY	1977	31	.082
1977	JUN	16	.173	MAY	1975	10	.447
1977	JUL	31	.261	MAY	1980	30	.447
1977	AUG	4	.303	MAY	1971	19	.524
1977	SEP	9	.377	MAY	1972	29	.597
1971	MAY	19	.524	JUN	1973	22	0.000
1971	JUN	28	.309	JUN	1977	16	.173
1971	JUL	23	.190	JUN	1971	28	.309
1971	AUG	9	.161	JUN	1976	15	.334
1971	SEP	5	.345	JUN	1970	29	.371
1980	MAY	30	.447	JUL	1980	19	.132
1980	JUN	18	.418	JUL	1978	20	.144
1980	JUL	19	.132	JUL	1966	24	.184
1980	AUG	10	.250	JUL	1971	23	.190
1980	SEP	8	.300	JUL	1977	31	.261
1979	MAY	9	.743	AUG	1975	2	.001
1979	JUN	27	.519	AUG	1979	21	.029
1979	JUL	23	.263	AUG	1971	9	.161
1979	AUG	21	.029	AUG	1970	11	.164
1979	SEP	8	.043	AUG	1966	30	.184
1978	MAY	2	.603	SEP	1979	8	.043
1978	JUN	30	.538	SEP	1966	1	.212
1978	JUL	20	.144	SEP	1978	6	.258
1978	AUG	24	.195	SEP	1970	2	.269
1978	SEP	6	.258	SEP	1973	8	.269

ALPHA= .0145 QO= .68

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.734	.468	.272	.247	.293

02GG002 SYDENHAM RIVER NEAR ALVINSTON

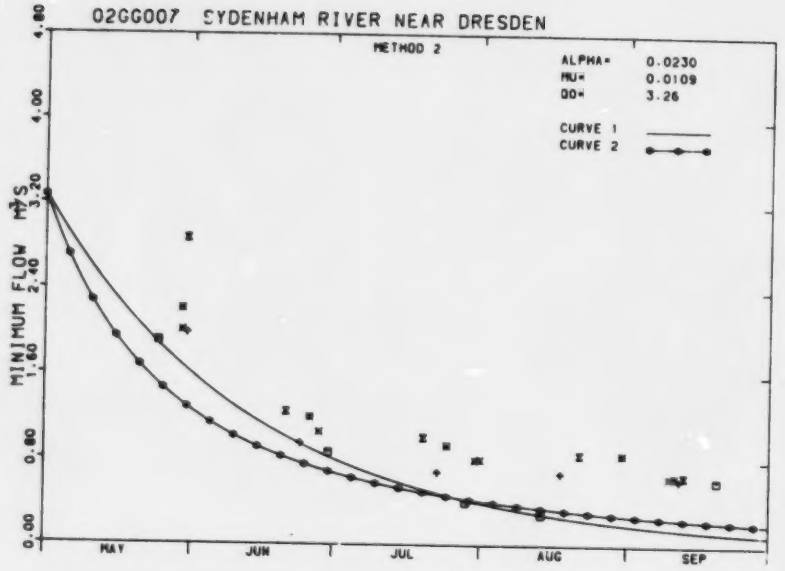
DRAINAGE AREA 730 SQ KM NATURAL FLOW

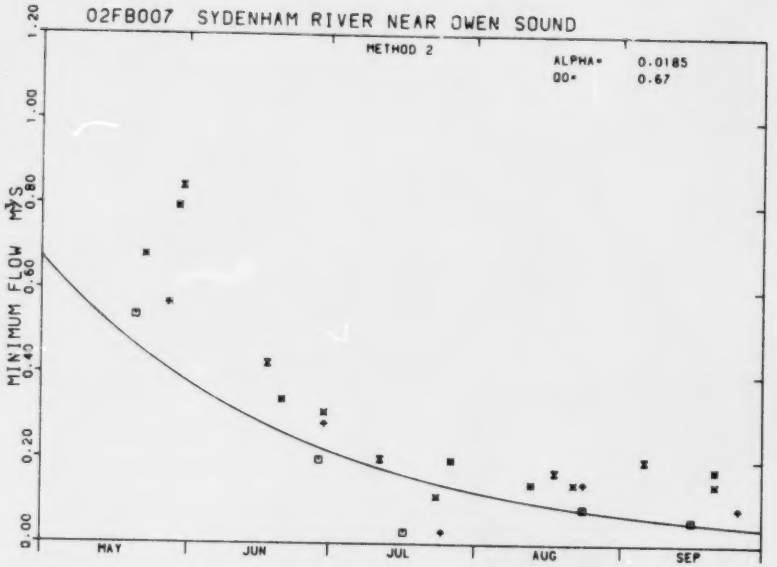
PERIOD OF RECORD 1947-80

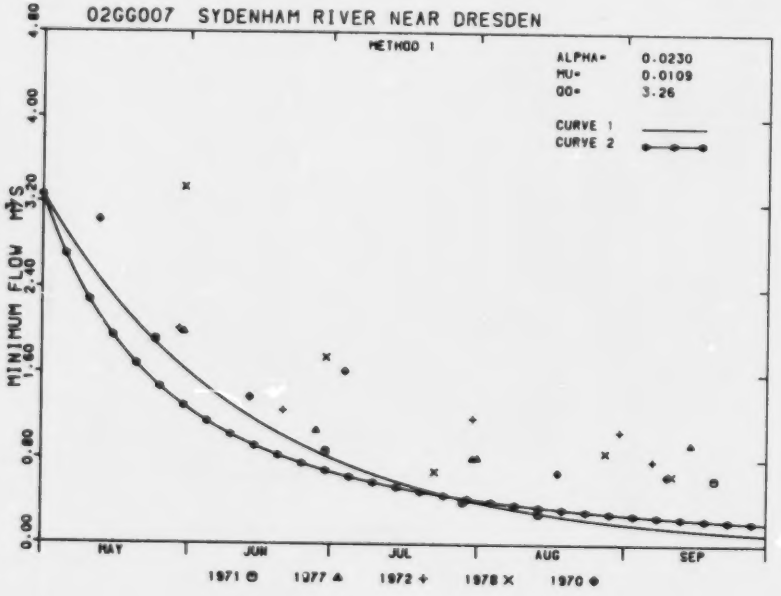
DISCHARGES IN CUBIC METRES PER SECOND

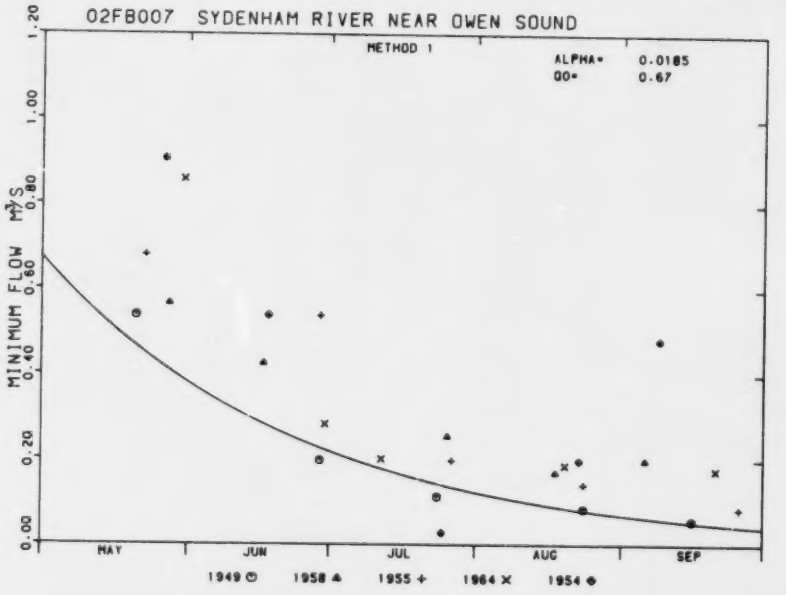
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	23	.85	MAY	1962	31	.77
1949	JUN	1	.48	MAY	1948	6	.85
1949	JUL	1	.48	MAY	1949	23	.85
1949	AUG	8	.48	MAY	1964	31	1.25
1949	SEP	3	.48	MAY	1971	31	1.33
1962	MAY	31	.77	JUN	1949	1	.48
1962	JUN	1	.77	JUN	1964	30	.65
1962	JUL	21	.37	JUN	1955	30	.65
1962	AUG	29	.43	JUN	1962	1	.77
1962	SEP	1	.43	JUN	1971	30	.77
1948	MAY	6	.85	JUL	1955	13	.24
1948	JUN	6	.85	JUL	1962	21	.37
1948	JUL	9	.48	JUL	1971	29	.46
1948	AUG	21	.48	JUL	1979	25	.48
1948	SEP	1	.48	JUL	1948	9	.48
1971	MAY	31	1.33	AUG	1974	31	.88
1971	JUN	30	.77	AUG	1955	3	.24
1971	JUL	29	.46	AUG	1971	9	.37
1971	AUG	9	.37	AUG	1951	25	.40
1971	SEP	12	.67	AUG	1962	25	.43
1964	MAY	31	1.25	SEP	1951	1	.40
1964	JUN	30	.65	SEP	1962	1	.43
1964	JUL	26	.55	SEP	1948	1	.48
1964	AUG	1	.52	SEP	1949	3	.48
1964	SEP	19	.93	SEP	1979	18	.51

ALPHA= .0093 QO= .78


02GG007 SYDENHAM RIVER NEAR DRESDEN
METHOD 2
ALPHA= 0.0230
MU= 0.0109
QO= 3.26
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP


02FB007 SYDENHAM RIVER NEAR OWEN SOUND
METHOD 2
ALPHA= 0.0185
QO= 0.67
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP


02GG007 SYDENHAM RIVER NEAR DRESDEN
METHOD 1
ALPHA= 0.0230
MU= 0.0109
QO= 3.26
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
4.80
4.00
3.20
2.40
1.60
0.80
0.00
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1977 ▲ 1972 + 1976 × 1970 ●


02FB007 SYDENHAM RIVER NEAR OWEN SOUND
METHOD 1
ALPHA= 0.0185
QO= 0.67
MINIMUM FLOW M³/S
1.20
1.00
0.80
0.60
0.40
0.20
0.00
MAY
JUN
JUL
AUG
SEP
1949 ⊙ 1958 ▲ 1955 + 1964 × 1954 ●

02GG007 SYDENHAM RIVER NEAR DRESDEN

DRAINAGE AREA 1240 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	25	1.91	MAY	1971	25	1.91
1971	JUN	30	.87	MAY	1977	31	1.98
1971	JUL	29	.40	MAY	1972	30	2.01
1971	AUG	14	.29	MAY	1975	30	2.21
1971	SEP	20	.61	MAY	1980	31	2.87
1977	MAY	31	1.98	JUN	1971	30	.87
1977	JUN	28	1.06	JUN	1968	24	.95
1977	JUL	31	.80	JUN	1977	28	1.06
1977	AUG	1	.80	JUN	1973	26	1.20
1977	SEP	15	.94	JUN	1972	21	1.25
1972	MAY	30	2.01	JUL	1971	29	.40
1972	JUN	21	1.25	JUL	1978	23	.68
1972	JUL	31	1.18	JUL	1977	31	.80
1972	AUG	31	1.06	JUL	1979	25	.94
1972	SEP	7	.78	JUL	1973	20	1.01
1978	MAY	31	3.34	ALG	1971	14	.29
1978	JUN	30	1.75	AUG	1970	18	.67
1978	JUL	23	.68	AUG	1977	1	.80
1978	AUG	28	.86	AUG	1973	31	.86
1978	SEP	11	.65	AUG	1979	22	.86
1970	MAY	13	3.03	SEP	1971	20	.61
1970	JUN	14	1.37	SEP	1973	12	.62
1970	JUL	4	1.62	SEP	1970	10	.64
1970	AUG	18	.67	SEP	1978	11	.65
1970	SEP	10	.64	SEP	1979	13	.66

ALPHA= .0230 MU= .0109 QO= 3.26

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	6255.5	3001.5	1541.9	756.8	363.1	11918.8	.96
CURVE 2	5431.0	2388.8	1414.2	909.8	617.0	10760.8	.87

02FB007 SYDENHAM RIVER NEAR OWEN SOUND

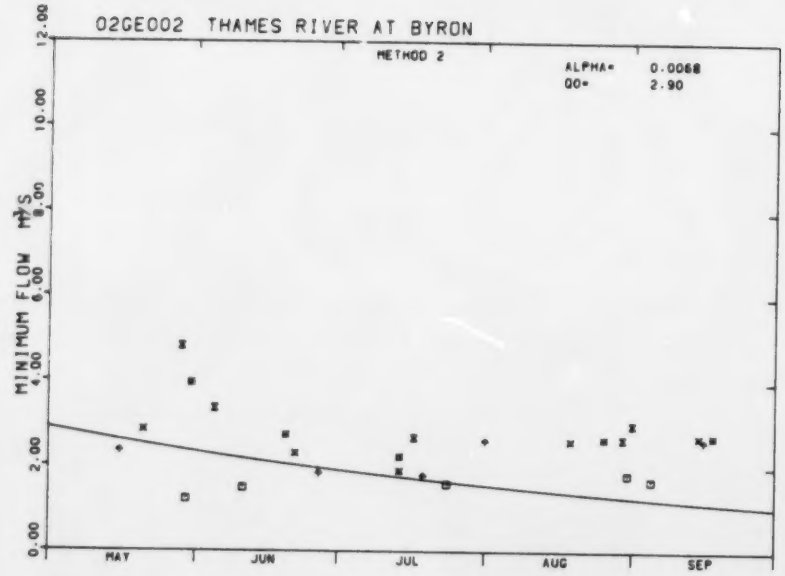
DRAINAGE AREA 181 SQ KM NATURAL FLOW

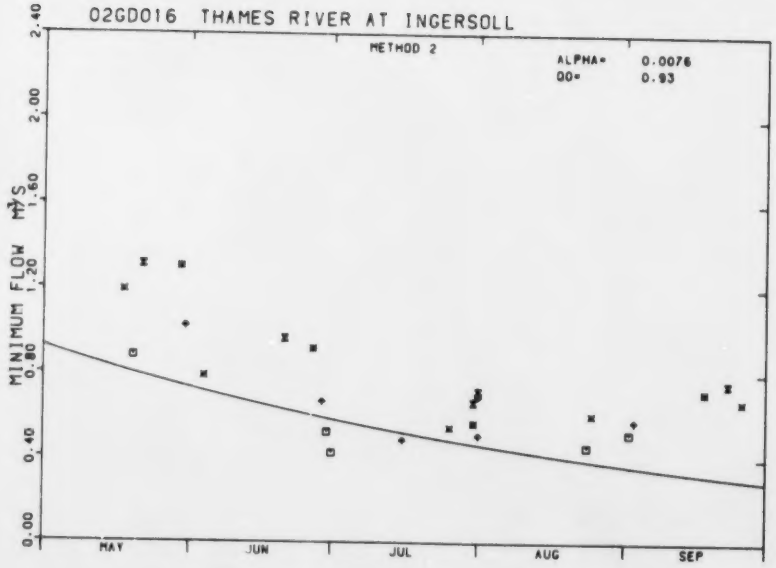
PERIOD OF RECORD 1915-80

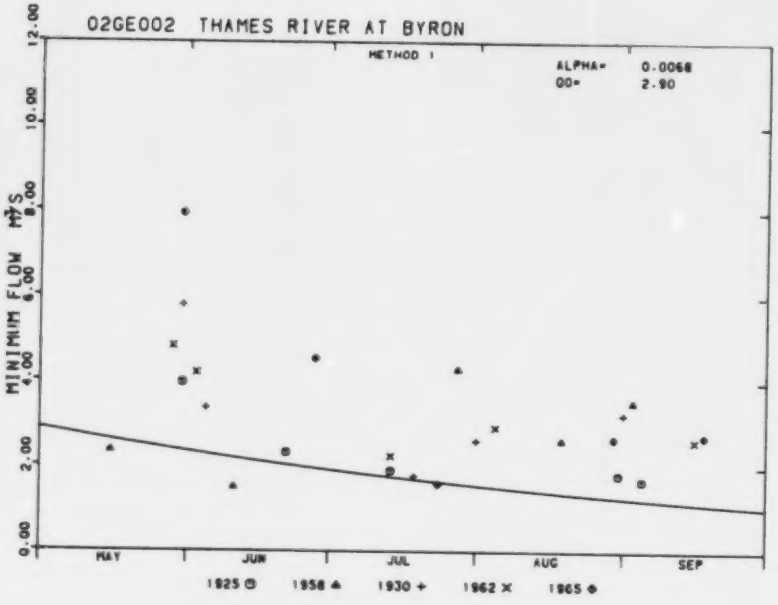
DISCHARGES IN CUBIC METRES PER SECOND

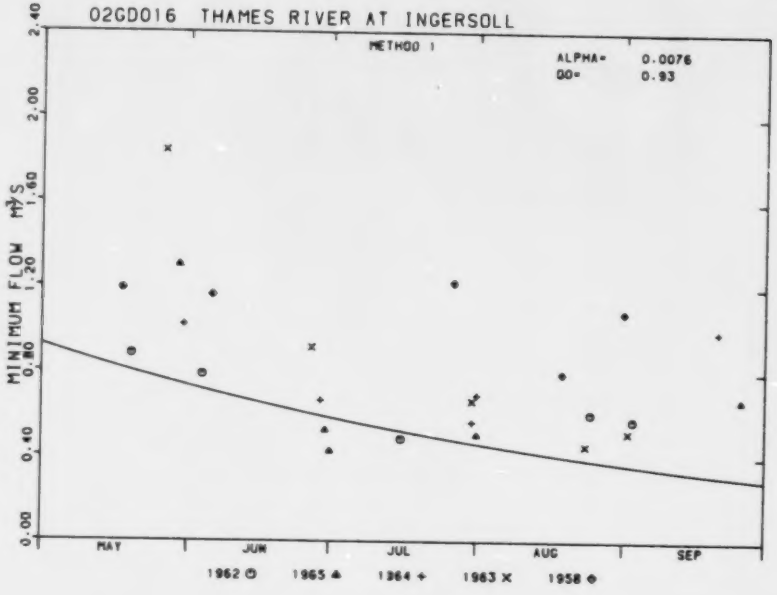
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1949	MAY	21	.538	MAY	1949	21	.538
1949	JUN	29	.198	MAY	1958	28	.566
1949	JUL	24	.113	MAY	1955	23	.680
1949	AUG	24	.085	MAY	1950	30	.793
1949	SEP	16	.057	MAY	1977	31	.841
1958	MAY	28	.566	JUN	1949	29	.198
1958	JUN	17	.425	JUN	1964	30	.283
1958	JUL	26	.255	JUN	1952	30	.311
1958	AUG	18	.170	JUN	1959	21	.340
1958	SEP	6	.198	JUN	1950	18	.425
1955	MAY	23	.680	JUL	1952	17	.028
1955	JUN	29	.538	JUL	1954	25	.028
1955	JUL	27	.198	JUL	1949	24	.113
1955	AUG	24	.142	JUL	1955	27	.198
1955	SEP	26	.085	JUL	1964	12	.201
1964	MAY	31	.858	AUG	1949	24	.085
1964	JUN	30	.283	AUG	1955	24	.142
1964	JUL	12	.201	AUG	1961	22	.142
1964	AUG	20	.187	AUG	1962	13	.142
1964	SEP	21	.176	AUG	1958	18	.170
1954	MAY	27	.906	SEP	1949	16	.057
1954	JUN	18	.538	SEP	1955	26	.085
1954	JUL	25	.028	SEP	1961	21	.142
1954	AUG	23	.198	SEP	1964	21	.176
1954	SEP	9	.481	SEP	1958	6	.198

ALPHA= .0185 QO= .67


02GE002 THAMES RIVER AT BYRON
METHOD 2
ALPHA= 0.0068
QO= 2.90
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02GD016 THAMES RIVER AT INGERSOLL
METHOD 2
ALPHA= 0.0076
QO= 0.93
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02GE002 THAMES RIVER AT BYRON
METHOD 1
ALPHA= 0.0068
QO= 2.90
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1925 ⊙ 1958 ▲ 1930 + 1962 × 1965 ◆


02GD016 THAMES RIVER AT INGERSOLL
METHOD 1
ALPHA= 0.0076
QO= 0.93
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1962 ⊙ 1965 ▲ 1964 + 1963 × 1958 ◆

02GE002 THAMES RIVER AT BYRON

DRAINAGE AREA 3110 SQ KM REGULATED

PERIOD OF RECORD 1922-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1929	MAY	31	3.96	MAY	1968	30	1.23
1929	JUN	22	2.32	MAY	1958	16	2.35
1929	JUL	14	1.90	MAY	1971	21	2.86
1929	AUG	31	1.81	MAY	1929	31	3.96
1929	SEP	5	1.67	MAY	1962	29	4.81
1958	MAY	16	2.35	JUN	1958	11	1.90
1958	JUN	11	1.90	JUN	1964	27	1.84
1958	JUL	28	4.28	JUN	1929	22	2.32
1958	AUG	19	2.61	JUN	1957	20	2.75
1958	SEP	3	3.51	JUN	1930	5	3.37
1930	MAY	31	5.78	JUL	1969	24	1.59
1930	JUN	5	3.37	JUL	1930	19	1.78
1930	JUL	19	1.78	JUL	1929	14	1.90
1930	AUG	1	2.61	JUL	1962	14	2.24
1930	SEP	1	3.23	JUL	1926	17	2.69
1962	MAY	29	4.81	AUG	1929	31	1.81
1962	JUN	3	4.19	AUG	1930	1	2.61
1962	JUL	14	2.24	AUG	1958	19	2.61
1962	AUG	9	2.92	AUG	1963	26	2.66
1962	SEP	16	2.61	AUG	1969	30	2.66
1969	MAY	31	7.93	SEP	1929	5	1.67
1969	JUN	28	4.53	SEP	1962	16	2.61
1969	JUL	24	1.99	SEP	1963	15	2.71
1969	AUG	30	2.66	SEP	1969	18	2.72
1969	SEP	18	2.72	SEP	1929	1	3.00

ALPHA= .0068 QO= 2.90

02GD016 THAMES RIVER AT INGERSOLL

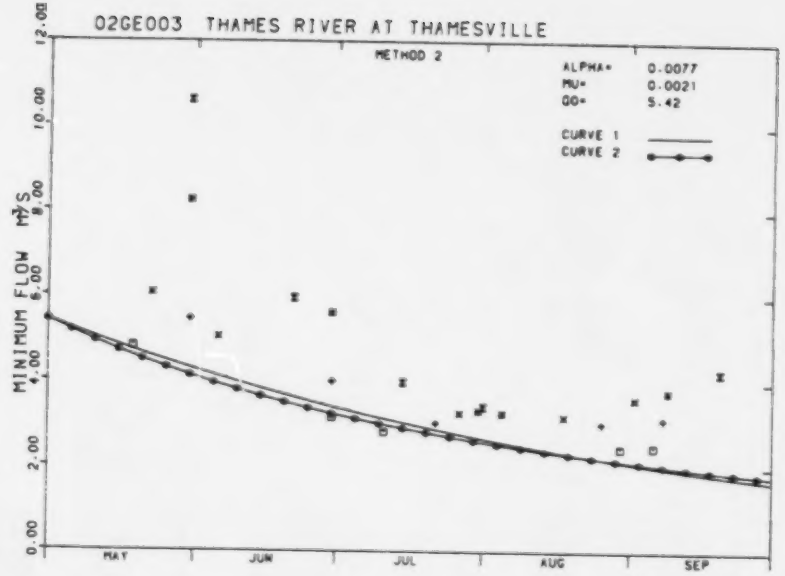
DRAINAGE AREA 918 SQ KM REGULATED

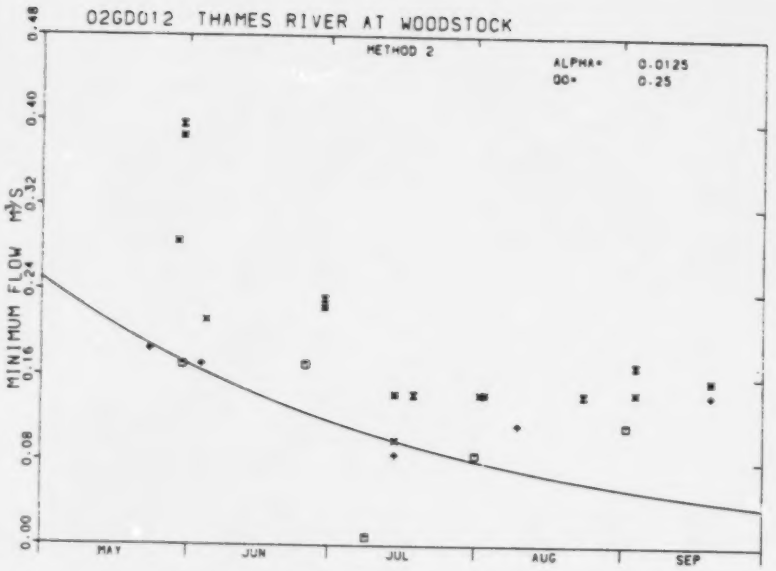
PERIOD OF RECORD 1957-80

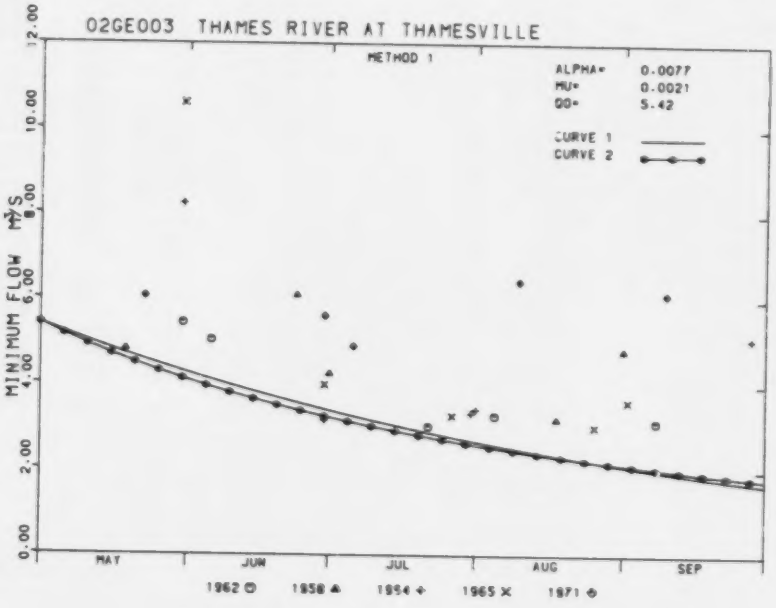
DISCHARGES IN CUBIC METRES PER SECOND

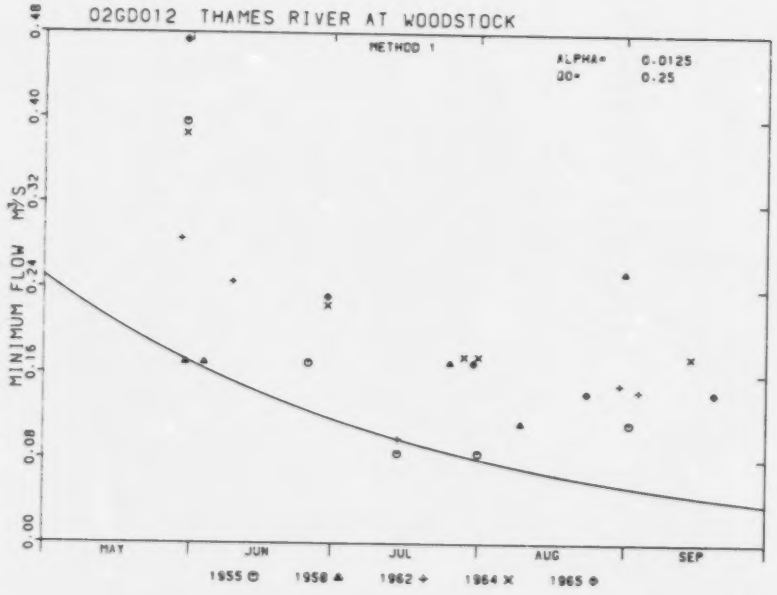
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	20	.88	MAY	1962	20	.88
1962	JUN	4	.79	MAY	1964	31	1.02
1962	JUL	16	.48	MAY	1958	18	1.19
1962	AUG	25	.60	MAY	1969	30	1.30
1962	SEP	3	.57	MAY	1971	22	1.31
1969	MAY	30	1.30	JUN	1969	30	.52
1969	JUN	30	.52	JUN	1964	29	.67
1969	JUL	1	.43	JUN	1962	4	.79
1969	AUG	1	.50	JUN	1963	27	.92
1969	SEP	26	.67	JUN	1959	21	.96
1964	MAY	31	1.02	JUL	1969	1	.43
1964	JUN	29	.67	JUL	1962	16	.48
1964	JUL	31	.56	JUL	1966	26	.54
1964	AUG	1	.49	JUL	1964	31	.56
1964	SEP	21	.99	JUL	1963	31	.64
1963	MAY	27	1.84	AUG	1963	24	.49
1963	JUN	27	.92	AUG	1965	1	.50
1963	JUL	31	.66	AUG	1962	25	.60
1963	AUG	24	.45	AUG	1964	1	.69
1963	SEP	2	.92	AUG	1966	1	.71
1958	MAY	18	1.19	SEP	1963	2	.92
1958	JUN	6	2.16	SEP	1962	3	.57
1958	JUL	27	1.22	SEP	1965	26	.67
1958	AUG	19	.79	SEP	1966	18	.71
1958	SEP	1	1.88	SEP	1961	23	.79

ALPHA= .0076 QO= .93


02GE003 THAMES RIVER AT THAMESVILLE
METHOD 2
ALPHA= 0.0077
MU= 0.0021
QO= 5.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP


02GD012 THAMES RIVER AT WOODSTOCK
METHOD 2
ALPHA= 0.0125
QO= 0.25
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02GE003 THAMES RIVER AT THAMESVILLE
METHOD 1
ALPHA= 0.0077
MU= 0.0021
QO= 5.42
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
2.00
4.00
6.00
8.00
10.00
12.00
MAY
JUN
JUL
AUG
SEP
1962
1958
1954
1965
1971


02GD012 THAMES RIVER AT WOODSTOCK
METHOD 1
ALPHA= 0.0125
QO= 0.25
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1955
1958
1962
1964
1965

02GE003 THAMES RIVER AT THAMESVILLE

DRAINAGE AREA 4300 SQ KM REGULATED

PERIOD OF RECORD 1938-62

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	31	5.44	MAY	1958	19	4.81
1962	JUN	6	5.04	MAY	1962	31	5.44
1962	JUL	22	3.03	MAY	1971	23	6.06
1962	AUG	5	3.28	MAY	1964	31	6.24
1962	SEP	8	3.14	MAY	1965	31	10.60
1958	MAY	19	4.81	JUN	1964	30	3.17
1958	JUN	24	6.09	JUN	1965	30	3.99
1958	JUL	1	4.25	JUN	1962	6	5.04
1958	AUG	18	3.20	JUN	1971	30	5.61
1958	SEP	1	4.81	JUN	1957	22	5.95
1964	MAY	31	6.24	JUL	1963	11	2.83
1964	JUN	30	3.17	JUL	1962	22	3.03
1964	JUL	31	3.34	JUL	1965	27	3.28
1964	AUG	1	3.43	JUL	1964	31	3.34
1964	SEP	28	5.10	JUL	1966	15	3.99
1965	MAY	31	10.60	AUG	1963	30	2.46
1965	JUN	30	3.99	AUG	1965	26	3.03
1965	JUL	27	3.28	AUG	1958	18	3.20
1965	AUG	26	3.03	AUG	1962	5	3.28
1965	SEP	2	3.62	AUG	1964	1	3.43
1971	MAY	23	6.06	SEP	1963	6	2.49
1971	JUN	30	5.61	SEP	1962	8	3.14
1971	JUL	6	4.90	SEP	1965	2	3.62
1971	AUG	10	6.43	SEP	1957	9	3.79
1971	SEP	10	6.14	SEP	1959	20	4.25

ALPHA= .0077 MU= .0021 QO= 5.42

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	12907.9	9881.0	8079.0	6367.1	4874.1	42109.1	.98
CURVE 2	12613.7	9425.0	7750.1	6292.6	5056.8	41138.2	.96

02GD012 THAMES RIVER AT WOODSTOCK

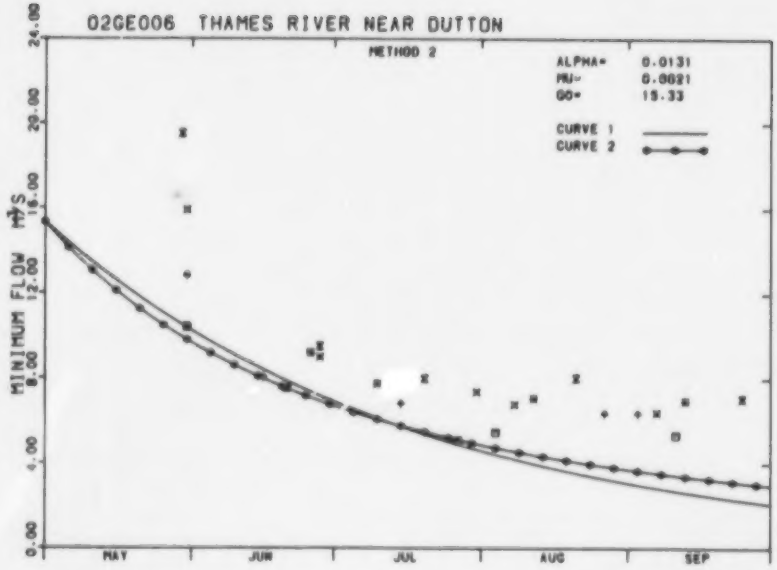
DRAINAGE AREA 294 SQ KM REGULATED

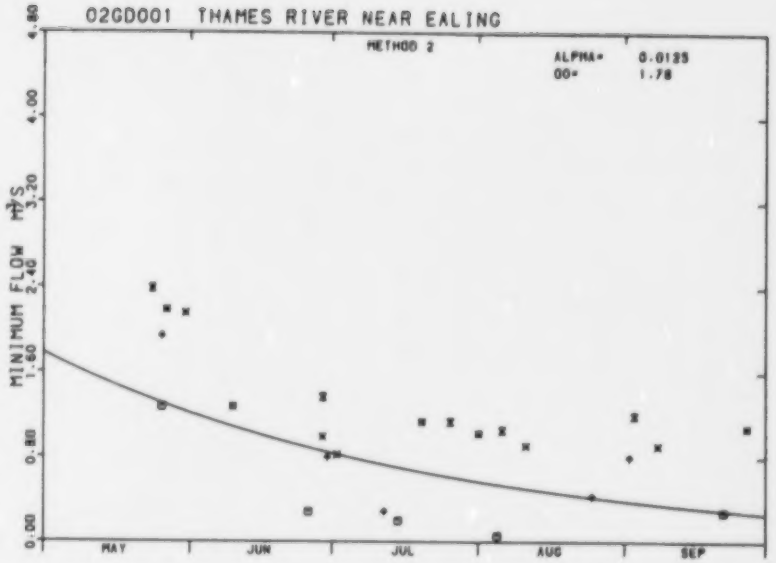
PERIOD OF RECORD 1952-80

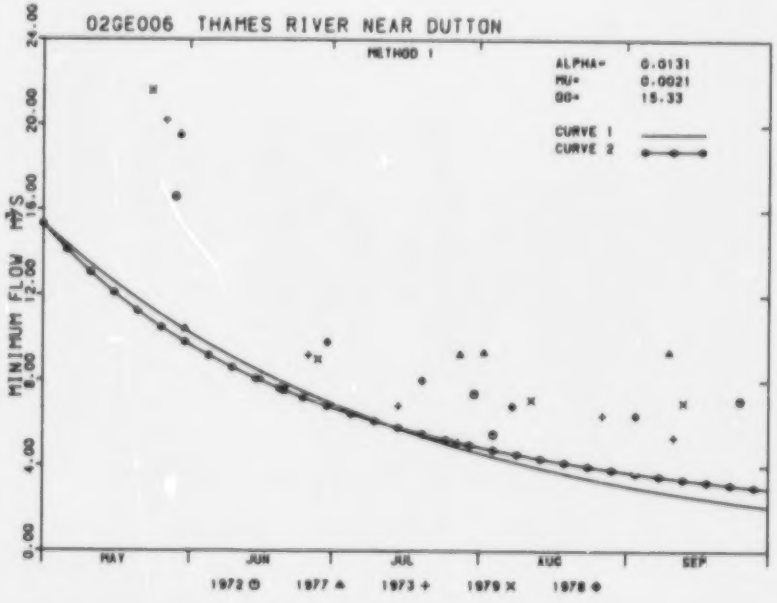
DISCHARGES IN CUBIC METRES PER SECOND

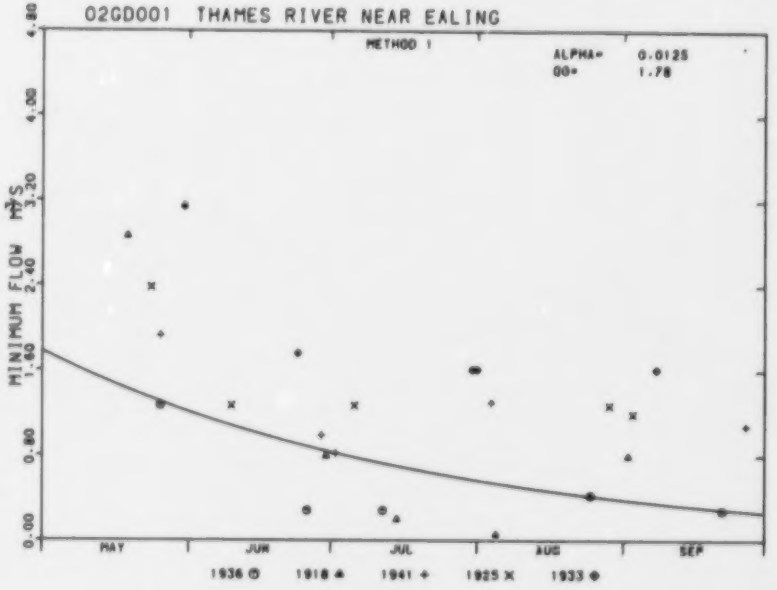
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1955	MAY	31	.396	MAY	1958	31	.170
1955	JUN	26	.170	MAY	1968	24	.184
1955	JUL	15	.085	MAY	1962	30	.286
1955	AUG	1	.085	MAY	1964	31	.385
1955	SEP	2	.113	MAY	1955	31	.396
1958	MAY	31	.170	JUN	1955	26	.170
1958	JUN	4	.170	JUN	1958	4	.170
1958	JUL	26	.170	JUN	1968	5	.212
1958	AUG	10	.113	JUN	1964	30	.224
1958	SEP	1	.255	JUN	1965	30	.232
1962	MAY	30	.286	JUL	1967	9	.008
1962	JUN	10	.246	JUL	1955	15	.085
1962	JUL	15	.099	JUL	1962	15	.099
1962	AUG	31	.150	JUL	1954	15	.142
1962	SEP	4	.144	JUL	1959	19	.142
1964	MAY	31	.385	AUG	1955	1	.085
1964	JUN	30	.224	AUG	1958	10	.113
1964	JUL	29	.176	AUG	1954	2	.142
1964	AUG	1	.176	AUG	1959	3	.142
1964	SEP	15	.176	AUG	1965	24	.142
1965	MAY	31	.473	SEP	1955	2	.113
1965	JUN	30	.232	SEP	1965	20	.142
1965	JUL	31	.170	SEP	1962	4	.144
1965	AUG	24	.142	SEP	1966	20	.156
1965	SEP	20	.142	SEP	1954	4	.170

ALPHA= .0125 QO= .25


02GE006 THAMES RIVER NEAR DUTTON
METHOD 2
ALPHA= 0.0131
MU= 0.0021
GO= 15.33
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02GD001 THAMES RIVER NEAR EALING
METHOD 2
ALPHA= 0.0125
GO= 1.78
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP


02GE006 THAMES RIVER NEAR DUTTON
METHOD 1
ALPHA= 0.0131
MU= 0.0021
GO= 15.33
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1972 ○ 1977 △ 1973 + 1979 × 1978 ◆


02GD001 THAMES RIVER NEAR EALING
METHOD 1
ALPHA= 0.0125
GO= 1.78
MINIMUM FLOW M³/S
0.00
0.80
1.60
2.40
3.20
4.00
4.80
MAY
JUN
JUL
AUG
SEP
1936 ○ 1918 △ 1941 + 1925 × 1933 ◆

0266006 THAMES RIVER NEAR DUTTON

DRAINAGE AREA 3760 SQ KM REGULATED

PERIOD OF RECORD 1971-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1972	MAY	29	16.60	MAY	1977	31	10.40
1972	JUN	21	7.36	MAY	1979	31	12.80
1972	JUL	31	7.39	MAY	1980	31	15.90
1972	AUG	4	5.49	MAY	1972	29	16.60
1972	SEP	25	7.08	MAY	1978	30	19.90
1977	MAY	31	10.40	JUN	1972	21	7.36
1977	JUN	16	8.04	JUN	1977	16	8.04
1977	JUL	28	9.23	JUN	1979	28	9.00
1977	AUG	2	9.32	JUN	1973	26	9.20
1977	SEP	10	9.34	JUN	1980	28	9.51
1973	MAY	27	20.20	JUL	1979	27	9.10
1973	JUN	26	9.20	JUL	1973	15	6.82
1973	JUL	15	6.82	JUL	1972	31	7.39
1973	AUG	27	6.37	JUL	1975	10	7.76
1973	SEP	11	5.35	JUL	1978	20	8.01
1979	MAY	24	21.60	AUG	1972	4	5.49
1979	JUN	28	9.00	AUG	1973	27	6.37
1979	JUL	27	9.10	AUG	1978	8	6.80
1979	AUG	12	7.10	AUG	1979	12	7.10
1979	SEP	13	6.98	AUG	1975	21	8.04
1978	MAY	30	19.90	SEP	1973	11	5.35
1978	JUN	30	9.80	SEP	1978	3	6.37
1978	JUL	20	8.01	SEP	1974	7	6.43
1978	AUG	8	6.80	SEP	1979	13	6.98
1978	SEP	3	6.37	SEP	1972	25	7.08

ALPHA= .0131 MU= .0021 QO= 15.33

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	33766.4	21930.8	15222.3	10154.1	6594.9	87668.4	2.33
CURVE 2	32599.1	20880.8	19391.1	11424.8	8580.5	88836.2	2.36

0260001 THAMES RIVER NEAR EALING

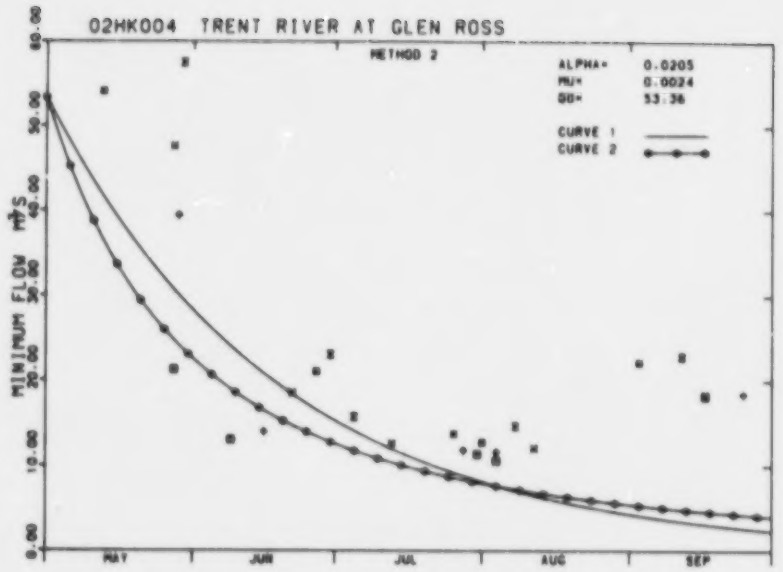
DRAINAGE AREA 1340 SQ KM REGULATED

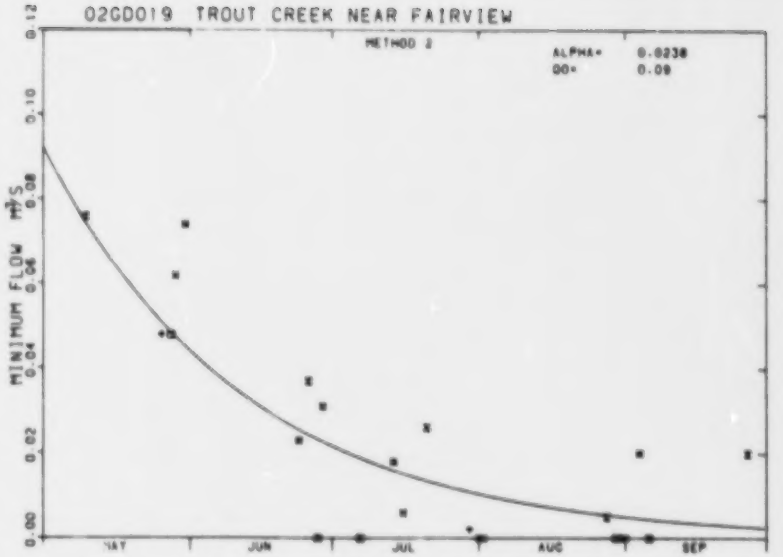
PERIOD OF RECORD 1913-80

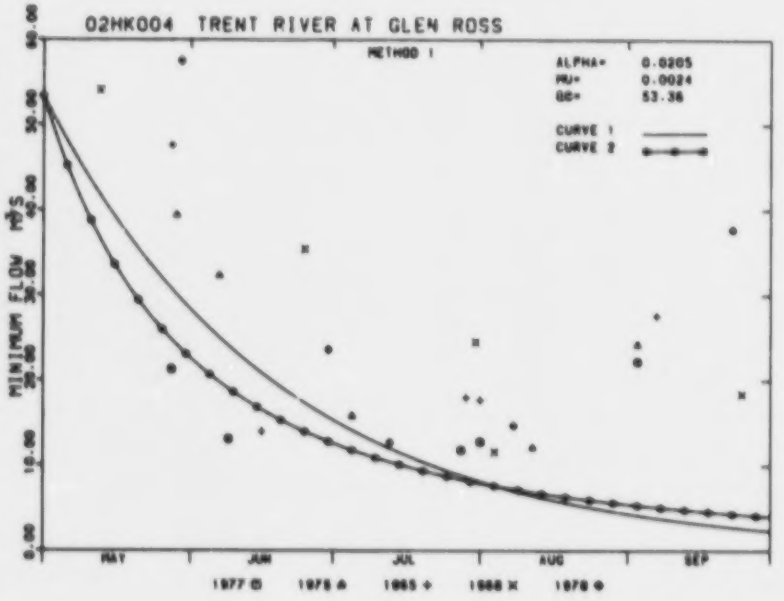
DISCHARGES IN CUBIC METRES PER SECOND

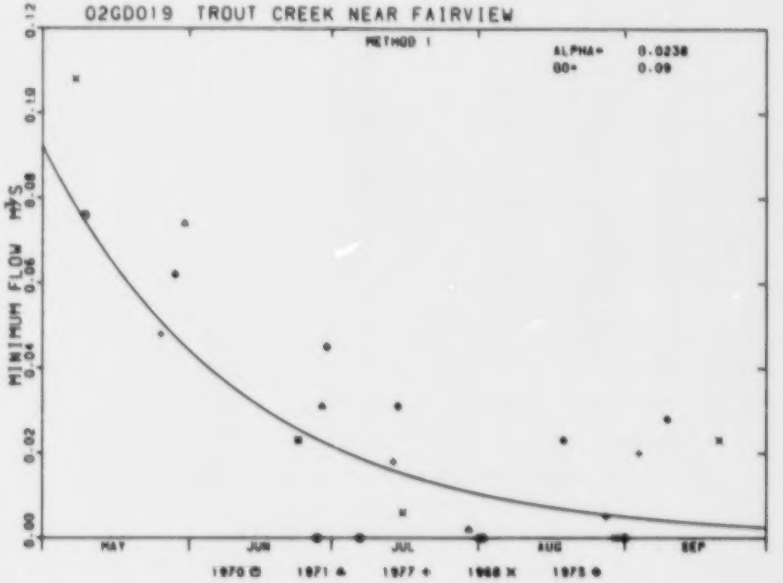
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1936	MAY	26	1.27	MAY	1936	26	1.27
1936	JUN	26	.28	MAY	1961	26	1.93
1936	JUL	12	.28	MAY	1958	31	2.15
1936	AUG	25	.43	MAY	1935	27	2.18
1936	SEP	22	.28	MAY	1925	24	2.38
1918	MAY	19	2.86	JUN	1936	26	.28
1918	JUN	30	.79	JUN	1918	30	.79
1918	JUL	15	.20	JUN	1961	29	.99
1918	AUG	5	.06	JUN	1925	10	1.27
1918	SEP	2	.79	JUN	1938	29	1.36
1961	MAY	26	1.93	JUL	1918	15	.20
1961	JUN	29	.99	JUL	1936	12	.28
1961	JUL	2	.82	JUL	1961	2	.82
1961	AUG	4	1.30	JUL	1919	20	1.13
1961	SEP	27	1.08	JUL	1926	26	1.13
1925	MAY	24	2.38	AUG	1918	5	.06
1925	JUN	10	1.27	AUG	1936	25	.43
1925	JUL	6	1.27	AUG	1919	11	.91
1925	AUG	29	1.27	AUG	1937	1	1.02
1925	SEP	3	1.19	AUG	1923	6	1.05
1933	MAY	31	3.14	SEP	1936	22	.28
1933	JUN	24	1.76	SEP	1918	2	.79
1933	JUL	31	1.61	SEP	1919	8	.91
1933	AUG	1	1.61	SEP	1961	27	1.08
1933	SEP	8	1.61	SEP	1925	3	1.19

ALPHA= .0125 QO= 1.78


02HK004 TRENT RIVER AT GLEN ROSS
METHOD 2
ALPHA= 0.0205
MU= 0.0024
SD= 53.36
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02GD019 TROUT CREEK NEAR FAIRVIEW
METHOD 2
ALPHA= 0.0238
SD= 0.09
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HK004 TRENT RIVER AT GLEN ROSS
METHOD 1
ALPHA= 0.0205
MU= 0.0024
SD= 53.36
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977 1978 1985 1988 1979


02GD019 TROUT CREEK NEAR FAIRVIEW
METHOD 1
ALPHA= 0.0238
SD= 0.09
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1970 1971 1977 1988 1978

02HK004 TRENT RIVER AT GLEN ROSS

DRAINAGE AREA 12000 SQ KM REGULATED

PERIOD OF RECORD 1963-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	28	21.30	MAY	1977	28	21.30
1977	JUN	9	13.10	MAY	1975	29	39.40
1977	JUL	28	11.80	MAY	1965	28	47.60
1977	AUG	1	12.80	MAY	1968	13	94.10
1977	SEP	3	22.20	MAY	1978	30	57.50
1975	MAY	29	39.40	JUN	1977	9	13.10
1975	JUN	7	32.30	JUN	1965	16	14.00
1975	JUL	3	15.80	JUN	1976	22	16.60
1975	AUG	12	12.10	JUN	1964	27	21.10
1975	SEP	3	24.20	JUN	1979	30	23.10
1965	MAY	28	47.60	JUL	1964	31	11.40
1965	JUN	16	14.00	JUL	1977	28	11.80
1965	JUL	29	18.00	JUL	1978	13	12.70
1965	AUG	1	17.70	JUL	1966	26	13.80
1965	SEP	7	27.60	JUL	1975	9	15.80
1968	MAY	13	94.10	AUG	1964	4	10.60
1968	JUN	25	35.40	AUG	1968	4	11.60
1968	JUL	31	24.50	AUG	1975	12	12.10
1968	AUG	4	11.60	AUG	1977	1	12.80
1968	SEP	25	18.40	AUG	1978	8	14.70
1978	MAY	30	57.50	SEP	1973	17	18.20
1978	JUN	30	23.60	SEP	1968	25	18.40
1978	JUL	13	12.70	SEP	1969	17	18.40
1978	AUG	8	14.70	SEP	1977	3	22.20
1978	SEP	23	37.70	SEP	1974	12	22.90

ALPHA= .0205 MU= .0024 GO= 53.36

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	105849.3	54827.7	30389.6	16118.1	8349.1	215530.0	1.80
CURVE 2	92979.9	43741.1	26781.9	17592.9	12096.5	193192.3	1.61

02GD019 TROUT CREEK NEAR FAIRVIEW

DRAINAGE AREA 36.0 SQ KM NATURAL FLOW

PERIOD OF RECORD 1966-80

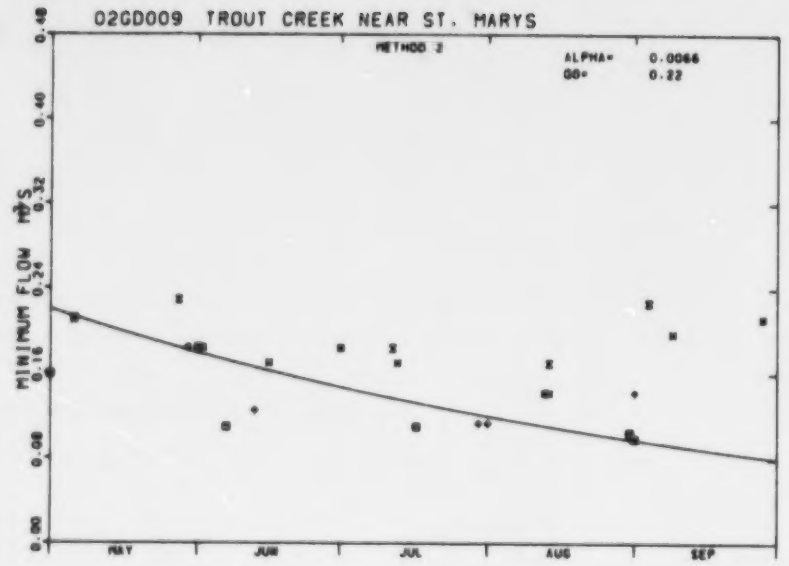
DISCHARGES IN CUBIC METRES PER SECOND

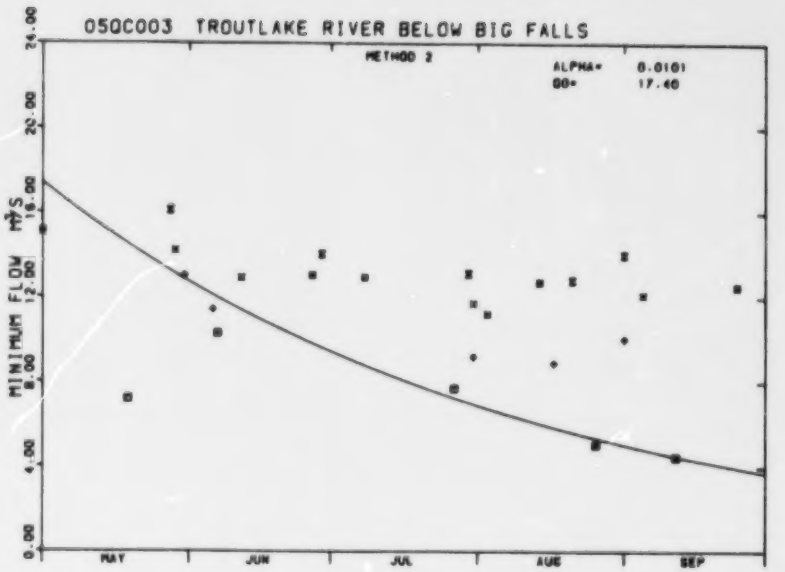
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1970	MAY	10	.076	MAY	1972	28	.048
1970	JUN	28	0.000	MAY	1977	26	.048
1970	JUL	7	0.000	MAY	1979	29	.042
1970	AUG	2	0.000	MAY	1971	31	.074
1970	SEP	1	0.000	MAY	1970	10	.076
1971	MAY	31	.074	JUN	1970	28	0.000
1971	JUN	29	.031	JUN	1968	24	.023
1971	JUL	30	.002	JUN	1977	24	.023
1971	AUG	1	0.000	JUN	1971	29	.031
1971	SEP	1	0.000	JUN	1980	26	.037
1977	MAY	26	.048	JUL	1970	7	0.000
1977	JUN	24	.023	JUL	1971	30	.002
1977	JUL	14	.018	JUL	1968	16	.006
1977	AUG	28	.005	JUL	1977	14	.018
1977	SEP	4	.020	JUL	1979	21	.026
1968	MAY	8	.108	AUG	1968	30	0.000
1968	JUN	24	.023	AUG	1969	31	0.000
1968	JUL	16	.006	AUG	1970	2	0.000
1968	AUG	30	0.000	AUG	1971	1	0.000
1968	SEP	21	.023	AUG	1977	28	.005
1975	MAY	29	.042	SEP	1967	6	0.000
1975	JUN	30	.049	SEP	1970	1	0.000
1975	JUL	15	.031	SEP	1971	1	0.000
1975	AUG	19	.023	SEP	1977	4	.020
1975	SEP	10	.026	SEP	1979	27	.026

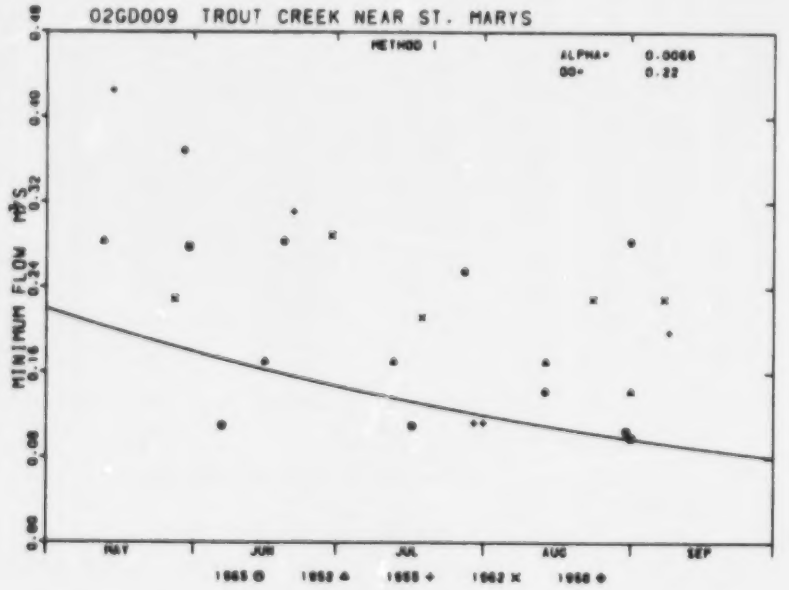
ALPHA= .0238 GO= .09

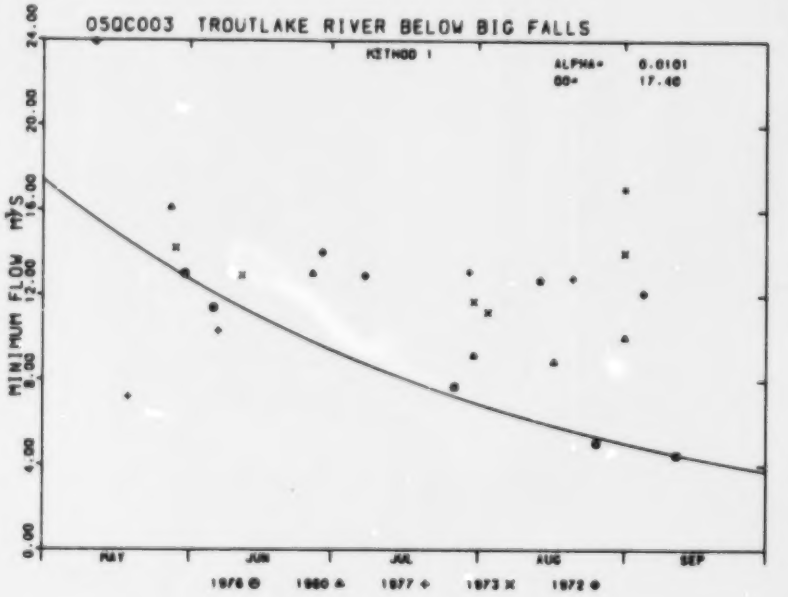
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.082	.035	.027	.005	.005


02GD009 TROUT CREEK NEAR ST. MARYS
METHOD 2
ALPHA= 0.0066
BO= 0.22
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


05QC003 TROUTLAKE RIVER BELOW BIG FALLS
METHOD 2
ALPHA= 0.0101
BO= 17.40
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


02GD009 TROUT CREEK NEAR ST. MARYS
METHOD 1
ALPHA= 0.0066
BO= 0.22
MINIMUM FLOW M³/S
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1965
1963
1961
1962
1960


05QC003 TROUTLAKE RIVER BELOW BIG FALLS
METHOD 1
ALPHA= 0.0101
BO= 17.40
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1976
1980
1977
1973
1972

02CB009 TROUT CREEK NEAR ST. MARYS

DRAINAGE AREA 140 SQ KM REGULATED

PERIOD OF RECORD 1949-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1968	MAY	31	.278	MAY	1966	1	.199
1968	JUN	7	.110	MAY	1968	30	.184
1968	JUL	17	.110	MAY	1973	6	.210
1968	AUG	31	.105	MAY	1970	6	.212
1968	SEP	1	.099	MAY	1962	28	.229
1952	MAY	13	.283	JUN	1965	7	.116
1952	JUN	16	.170	JUN	1972	13	.125
1952	JUL	13	.170	JUN	1952	14	.170
1952	AUG	14	.170	JUN	1966	2	.184
1952	SEP	1	.142	JUN	1968	1	.184
1955	MAY	15	.425	JUL	1965	17	.110
1955	JUN	22	.311	JUL	1955	30	.113
1955	JUL	30	.113	JUL	1952	13	.170
1955	AUG	1	.113	JUL	1966	1	.184
1955	SEP	9	.196	JUL	1967	12	.184
1962	MAY	28	.229	AUG	1965	31	.105
1962	JUN	30	.289	AUG	1955	1	.113
1962	JUL	19	.212	AUG	1958	14	.142
1962	AUG	24	.229	AUG	1959	13	.142
1962	SEP	8	.229	AUG	1952	14	.170
1958	MAY	30	.368	SEP	1965	1	.099
1958	JUN	28	.283	SEP	1952	1	.142
1958	JUL	28	.255	SEP	1955	9	.198
1958	AUG	14	.142	SEP	1968	28	.212
1958	SEP	1	.283	SEP	1953	4	.227

ALPHA= .0066 BB= .22

05QC003 TROUTLAKE RIVER BELOW BIG FALLS

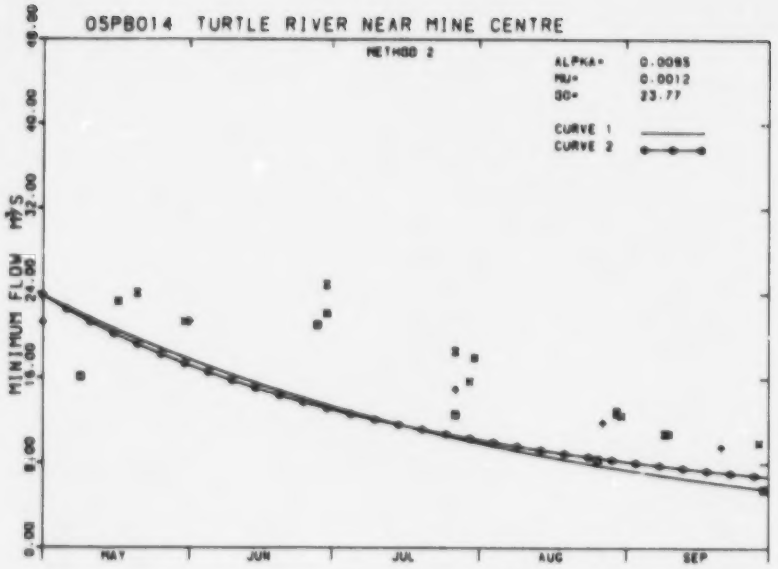
DRAINAGE AREA 2370 SQ KM NATURAL FLOW

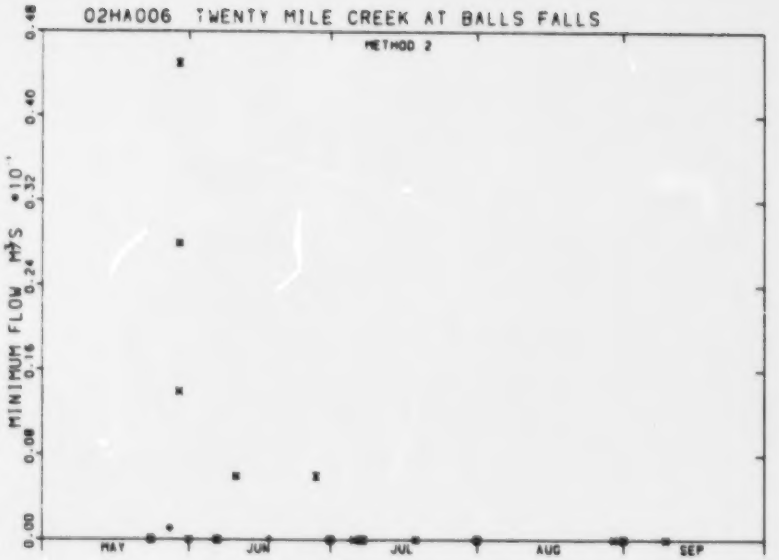
PERIOD OF RECORD 1963-80

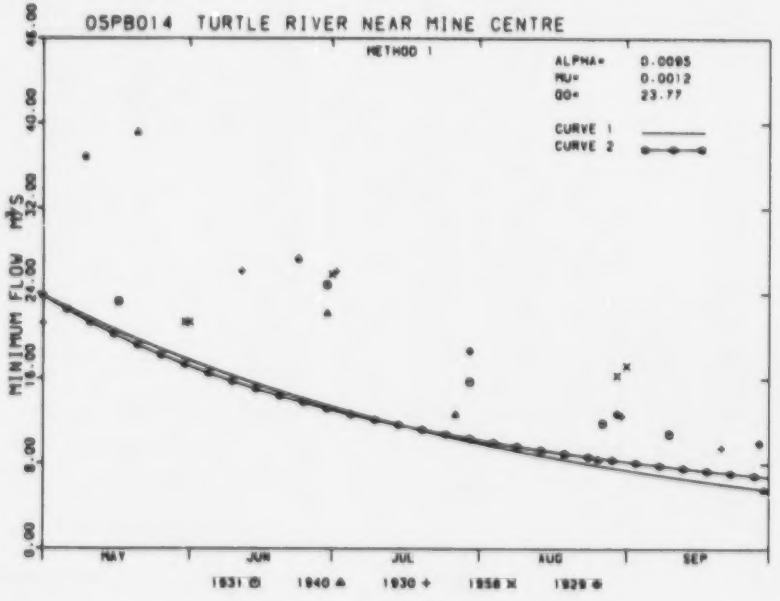
DISCHARGES IN CUBIC METRES PER SECOND

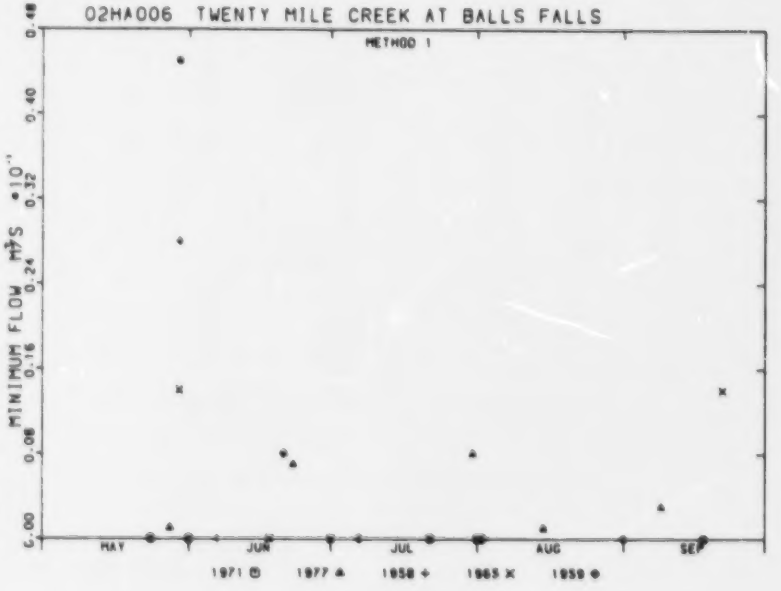
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1976	MAY	31	13.00	MAY	1977	19	7.19
1976	JUN	6	11.40	MAY	1976	31	12.00
1976	JUL	27	7.70	MAY	1973	29	14.20
1976	AUG	26	5.04	MAY	1970	1	15.10
1976	SEP	12	4.47	MAY	1980	28	10.10
1980	MAY	28	16.10	JUN	1977	7	10.30
1980	JUN	27	13.00	JUN	1976	6	11.40
1980	JUL	31	9.16	JUN	1973	12	12.90
1980	AUG	17	8.86	JUN	1980	27	13.00
1980	SEP	1	10.00	JUN	1972	29	14.00
1977	MAY	19	7.19	JUL	1976	27	7.70
1977	JUN	7	10.30	JUL	1980	31	9.16
1977	JUL	30	13.10	JUL	1973	31	11.70
1977	AUG	21	12.80	JUL	1972	8	12.90
1977	SEP	1	17.00	JUL	1977	30	13.10
1973	MAY	29	14.20	AUG	1976	26	5.04
1973	JUN	12	12.90	AUG	1980	17	8.86
1973	JUL	31	11.70	AUG	1973	3	11.20
1973	AUG	3	11.20	AUG	1972	14	12.70
1973	SEP	1	14.00	AUG	1977	21	12.80
1972	MAY	12	25.00	SEP	1976	12	4.47
1972	JUN	29	14.00	SEP	1980	1	10.00
1972	JUL	8	12.90	SEP	1972	5	12.10
1972	AUG	14	12.70	SEP	1971	25	12.90
1972	SEP	5	12.10	SEP	1973	1	14.00

ALPHA= .0101 BB= 17.40


05PB014 TURTLE RIVER NEAR MINE CENTRE
METHOD 2
ALPHA= 0.0085
MU= 0.0012
QO= 23.77
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HA006 TWENTY MILE CREEK AT BALLS FALLS
METHOD 2
MINIMUM FLOW M³/S •10⁻¹
MAY
JUN
JUL
AUG
SEP


05PB014 TURTLE RIVER NEAR MINE CENTRE
METHOD 1
ALPHA= 0.0085
MU= 0.0012
QO= 23.77
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1931 ⊡ 1940 △ 1930 + 1958 X 1929 ⊕


02HA006 TWENTY MILE CREEK AT BALLS FALLS
METHOD 1
MINIMUM FLOW M³/S •10⁻¹
MAY
JUN
JUL
AUG
SEP
1971 ⊡ 1977 △ 1958 + 1965 X 1959 ⊕

05PB014 TURTLE RIVER NEAR NINE CENTRE

DRAINAGE AREA 4870 SQ KM NATURAL FLOW

PERIOD OF RECORD 1914-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1931	MAY	17	23.20	MAY	1953	9	16.10
1931	JUN	30	24.80	MAY	1930	1	21.20
1931	JUL	30	15.70	MAY	1958	31	21.30
1931	AUG	27	11.80	MAY	1931	17	23.20
1931	SEP	10	10.80	MAY	1939	21	24.00
1940	MAY	21	39.10	JUN	1945	28	21.00
1940	JUN	30	22.10	JUN	1958	1	21.30
1940	JUL	27	12.60	JUN	1917	30	22.10
1940	AUG	26	8.38	JUN	1940	30	22.10
1940	SEP	30	5.55	JUN	1931	30	24.80
1930	MAY	1	21.20	JUL	1940	27	12.60
1930	JUN	12	26.10	JUL	1917	27	14.90
1930	JUL	2	26.10	JUL	1931	30	15.70
1930	AUG	31	12.50	JUL	1933	31	17.90
1930	SEP	21	9.51	JUL	1961	27	18.50
1958	MAY	31	21.30	AUG	1940	26	8.38
1958	JUN	1	21.30	AUG	1931	27	11.80
1958	JUL	1	25.80	AUG	1930	31	12.50
1958	AUG	30	16.30	AUG	1929	30	12.70
1958	SEP	1	17.20	AUG	1961	30	12.90
1929	MAY	10	36.80	SEP	1940	30	5.55
1929	JUN	24	27.20	SEP	1930	21	9.51
1929	JUL	30	18.60	SEP	1929	29	9.94
1929	AUG	30	12.70	SEP	1931	10	10.80
1929	SEP	29	9.94	SEP	1933	9	10.80

ALPHA= .0095 MU= .0012 QO= 23.77

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	55144.1	39944.1	30909.0	23031.2	16682.8	165711.2	3.40
CURVE 2	54059.8	38776.1	30903.9	24467.6	19270.6	167477.9	3.44

02HA006 TWENTY MILE CREEK AT BALLS FALLS

DRAINAGE AREA 293 SQ KM NATURAL FLOW

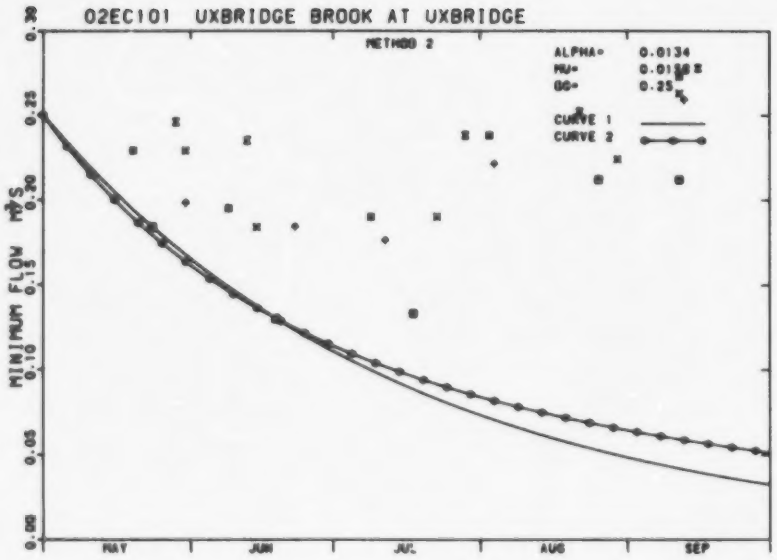
PERIOD OF RECORD 1957-80

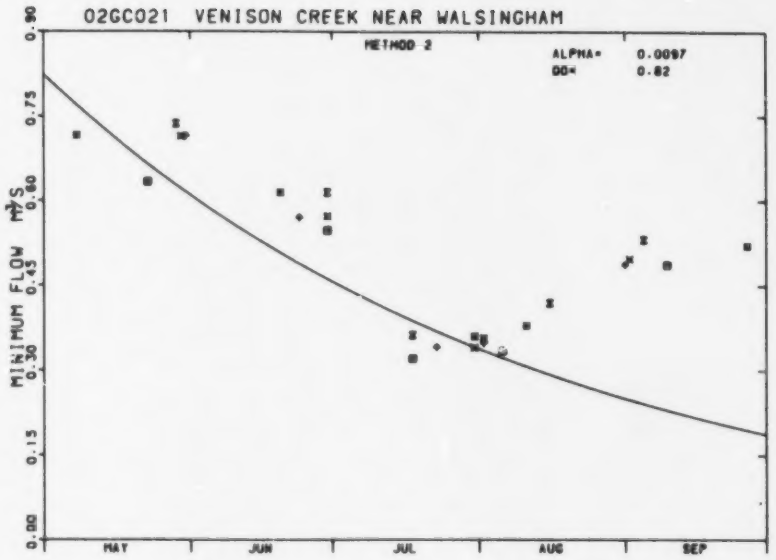
DISCHARGES IN CUBIC METRES PER SECOND

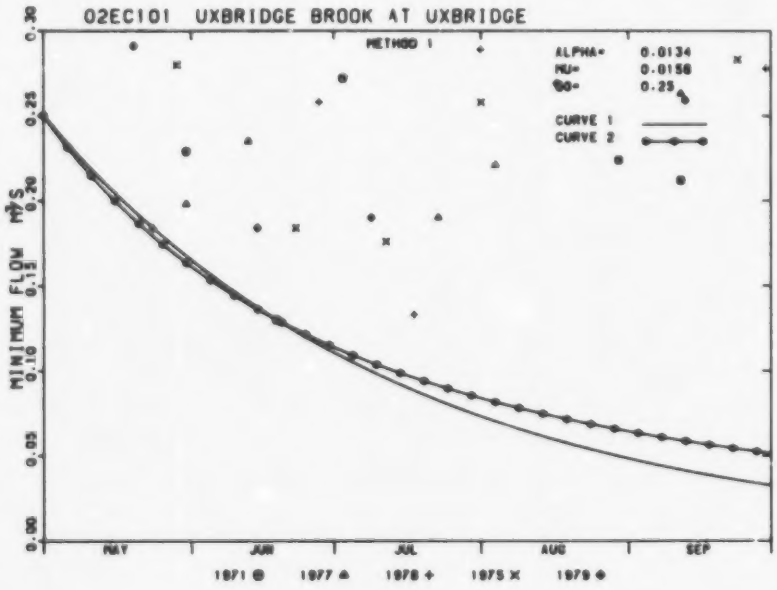
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	24	0.000	MAY	1971	24	0.000
1971	JUN	1	0.000	MAY	1977	28	.001
1971	JUL	22	0.000	MAY	1965	30	.014
1971	AUG	2	0.000	MAY	1958	30	.028
1971	SEP	18	0.000	MAY	1959	30	.045
1977	MAY	28	.001	JUN	1958	7	0.000
1977	JUN	23	.007	JUN	1965	18	0.000
1977	JUL	31	.008	JUN	1971	1	0.000
1977	AUG	15	.001	JUN	1962	11	.006
1977	SEP	9	.003	JUN	1964	28	.006
1958	MAY	30	.028	JUL	1958	1	0.000
1958	JUN	7	0.000	JUL	1959	7	0.000
1958	JUL	1	0.000	JUL	1962	6	0.000
1958	AUG	1	0.000	JUL	1963	19	0.000
1958	SEP	1	0.000	JUL	1964	8	0.000
1965	MAY	30	.014	AUG	1958	1	0.000
1965	JUN	18	0.000	AUG	1959	1	0.000
1965	JUL	1	0.000	AUG	1962	30	0.000
1965	AUG	1	0.000	AUG	1965	1	0.000
1965	SEP	22	.014	AUG	1966	1	0.000
1959	MAY	30	.045	SEP	1958	1	0.000
1959	JUN	21	.008	SEP	1959	1	0.000
1959	JUL	7	0.000	SEP	1960	10	0.000
1959	AUG	1	0.000	SEP	1962	1	0.000
1959	SEP	1	0.000	SEP	1966	1	0.000

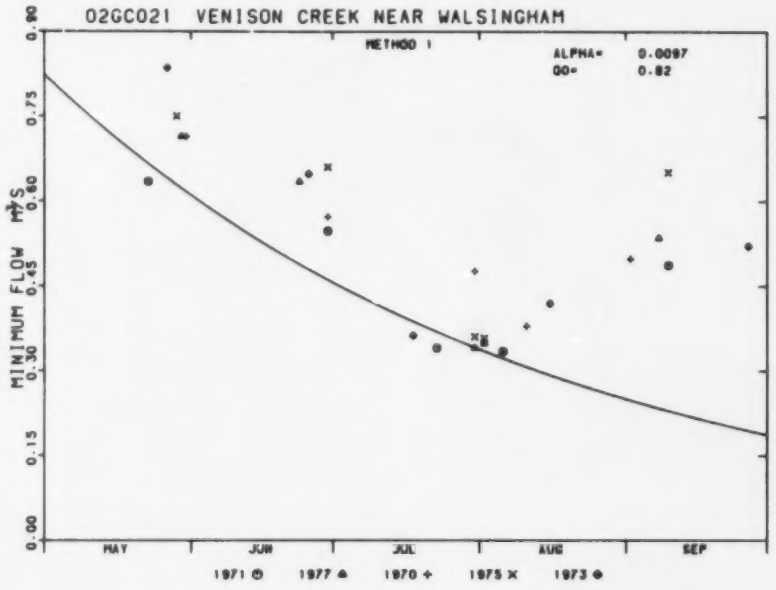
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.110	.004	0.000	0.000	0.000


02EC101 UXBRIDGE BROOK AT UXBRIDGE
METHOD 2
ALPHA= 0.0134
MU= 0.0158
GG= 0.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.30
0.25
0.20
0.15
0.10
0.05
0.00
MAY
JUN
JUL
AUG
SEP


02GC021 VENISON CREEK NEAR WALSINGHAM
METHOD 2
ALPHA= 0.0097
GG= 0.82
MINIMUM FLOW M³/S
0.90
0.75
0.60
0.45
0.30
0.15
0.00
MAY
JUN
JUL
AUG
SEP


02EC101 UXBRIDGE BROOK AT UXBRIDGE
METHOD 1
ALPHA= 0.0134
MU= 0.0158
GG= 0.25
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.30
0.25
0.20
0.15
0.10
0.05
0.00
MAY
JUN
JUL
AUG
SEP
1971 ● 1977 ▲ 1978 + 1975 × 1979 ◆


02GC021 VENISON CREEK NEAR WALSINGHAM
METHOD 1
ALPHA= 0.0097
GG= 0.82
MINIMUM FLOW M³/S
0.90
0.75
0.60
0.45
0.30
0.15
0.00
MAY
JUN
JUL
AUG
SEP
1971 ● 1977 ▲ 1970 + 1975 × 1973 ◆

02EC101 UXBRIDGE BROOK AT UXBRIDGE

DRAINAGE AREA 24.3 SQ KM REGULATED

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	31	.229	MAY	1978	24	.184
1971	JUN	19	.130	MAY	1977	31	.198
1971	JUL	5	.272	MAY	1971	31	.229
1971	AUG	30	.224	MAY	1973	20	.229
1971	SEP	12	.212	MAY	1972	29	.246
1977	MAY	31	.198	JUN	1971	19	.130
1977	JUN	13	.235	JUN	1975	23	.184
1977	JUL	23	.190	JUN	1979	15	.184
1977	AUG	4	.221	JUN	1976	9	.195
1977	SEP	12	.263	JUN	1977	13	.235
1978	MAY	24	.184	JUL	1978	18	.133
1978	JUN	28	.258	JUL	1975	12	.176
1978	JUL	18	.133	JUL	1977	23	.190
1978	AUG	1	.289	JUL	1979	9	.190
1978	SEP	30	.278	JUL	1972	29	.238
1975	MAY	29	.280	AUG	1980	26	.212
1975	JUN	23	.184	AUG	1977	4	.221
1975	JUL	12	.176	AUG	1971	30	.224
1975	AUG	1	.258	AUG	1976	3	.238
1975	SEP	24	.283	AUG	1972	22	.252
1979	MAY	20	.291	SEP	1971	12	.212
1979	JUN	15	.184	SEP	1979	13	.259
1979	JUL	9	.190	SEP	1977	12	.263
1979	AUG	17	.269	SEP	1980	12	.273
1979	SEP	13	.259	SEP	1973	16	.278

ALPHA= .0134 NU= .0158 QO= .25

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	948.7	353.1	242.9	160.5	103.3	1408.4	5.80
CURVE 2	938.2	351.4	261.8	196.7	148.8	1497.0	6.16

02GC021 VENISON CREEK NEAR WALSINGHAM

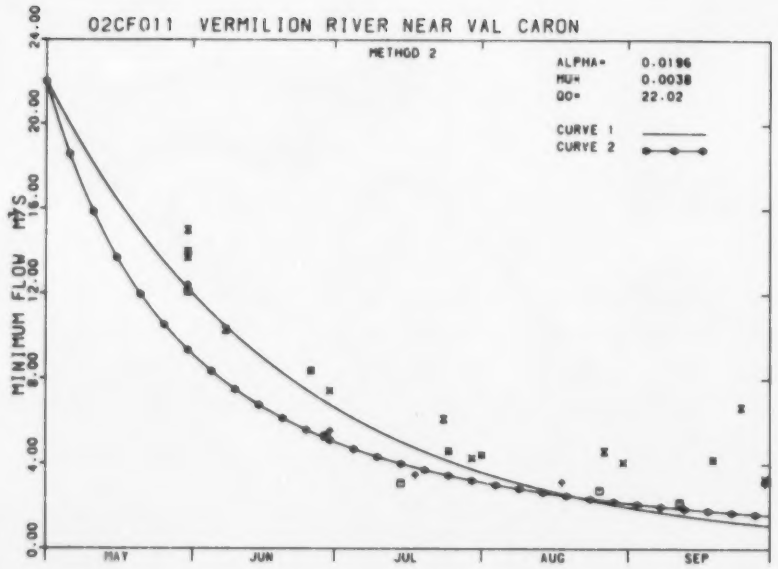
DRAINAGE AREA 68.4 SQ KM REGULATED

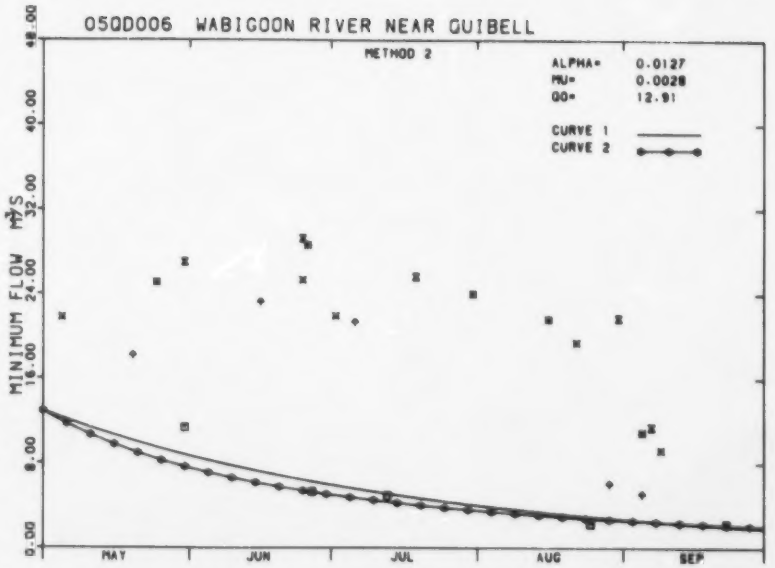
PERIOD OF RECORD 1966-80

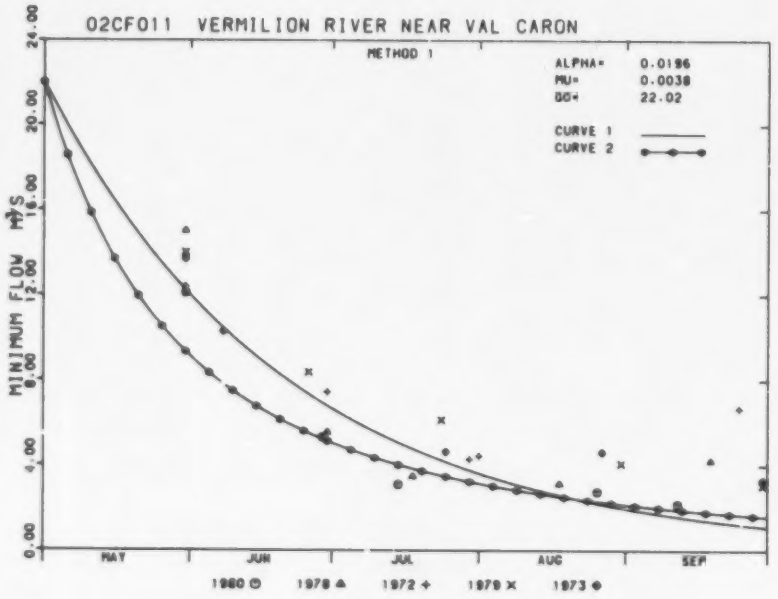
DISCHARGES IN CUBIC METRES PER SECOND

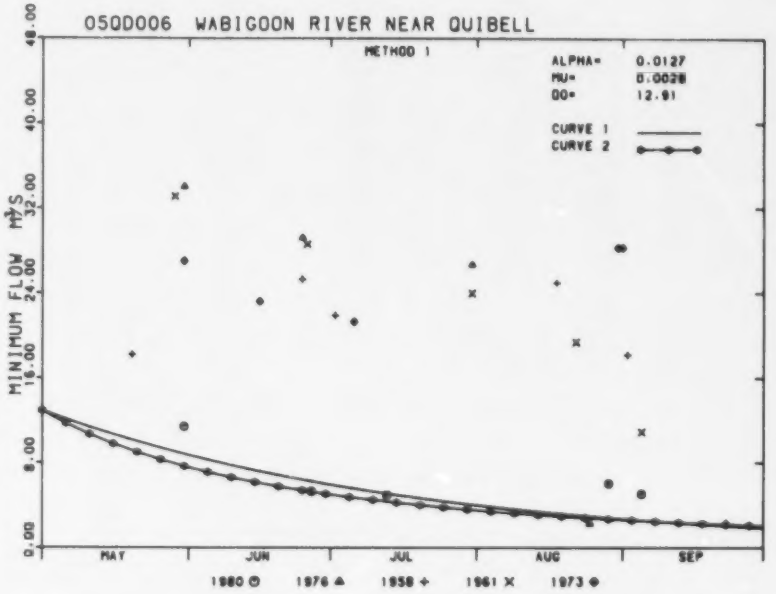
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	.634	MAY	1971	23	.634
1971	JUN	30	.547	MAY	1970	31	.714
1971	JUL	23	.340	MAY	1977	30	.714
1971	AUG	6	.334	MAY	1968	8	.716
1971	SEP	10	.487	MAY	1972	29	.736
1977	MAY	30	.714	JUN	1971	30	.547
1977	JUN	24	.634	JUN	1968	24	.569
1977	JUL	31	.340	JUN	1970	30	.572
1977	AUG	2	.348	JUN	1972	20	.614
1977	SEP	8	.535	JUN	1978	30	.614
1970	MAY	31	.714	JUL	1978	18	.320
1970	JUN	30	.572	JUL	1971	23	.340
1970	JUL	31	.476	JUL	1977	31	.340
1970	AUG	11	.379	JUL	1975	31	.360
1970	SEP	2	.498	JUL	1973	18	.362
1975	MAY	29	.750	AUG	1971	6	.334
1975	JUN	30	.660	AUG	1977	2	.348
1975	JUL	31	.360	AUG	1975	2	.357
1975	AUG	2	.357	AUG	1970	11	.379
1975	SEP	10	.651	AUG	1973	14	.419
1973	MAY	27	.833	SEP	1971	10	.487
1973	JUN	26	.648	SEP	1974	1	.487
1973	JUL	18	.362	SEP	1970	2	.498
1973	AUG	16	.419	SEP	1973	27	.821
1973	SEP	27	.821	SEP	1967	5	.932

ALPHA= .0097 QO= .82


02CF011 VERMILION RIVER NEAR VAL CARON
METHOD 2
ALPHA= 0.0196
MU= 0.0038
QO= 22.02
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP


05QD006 WABIGOON RIVER NEAR QUIBELL
METHOD 2
ALPHA= 0.0127
MU= 0.0028
QO= 12.91
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP


02CF011 VERMILION RIVER NEAR VAL CARON
METHOD 1
ALPHA= 0.0196
MU= 0.0038
QO= 22.02
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
4.00
8.00
12.00
16.00
20.00
24.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1978 ▲ 1972 + 1979 × 1973 ●


05QD006 WABIGOON RIVER NEAR QUIBELL
METHOD 1
ALPHA= 0.0127
MU= 0.0028
QO= 12.91
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
8.00
16.00
24.00
32.00
40.00
48.00
MAY
JUN
JUL
AUG
SEP
1980 ⊙ 1976 ▲ 1958 + 1961 × 1973 ●

02CF011 VERMILION RIVER NEAR VAL CARON

DRAINAGE AREA 704 SQ KM NATURAL FLOW

PERIOD OF RECORD 1970-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	12.10	MAY	1980	31	12.10
1980	JUN	29	5.32	MAY	1972	31	12.40
1980	JUL	15	3.11	MAY	1973	31	13.70
1980	AUG	26	2.77	MAY	1979	31	14.00
1980	SEP	12	2.19	MAY	1978	31	15.00
1978	MAY	31	15.00	JUN	1980	29	5.32
1978	JUN	30	5.55	JUN	1978	30	5.55
1978	JUL	18	3.48	JUN	1972	30	7.45
1978	AUG	18	3.14	JUN	1979	26	8.38
1978	SEP	19	4.22	JUN	1973	8	10.30
1972	MAY	31	12.40	JUL	1980	15	3.11
1972	JUN	30	7.45	JUL	1978	18	3.48
1972	JUL	30	4.30	JUL	1972	30	4.30
1972	AUG	1	4.45	JUL	1973	25	4.64
1972	SEP	25	6.68	JUL	1979	24	6.14
1979	MAY	31	14.00	AUG	1980	26	2.77
1979	JUN	26	8.38	AUG	1978	18	3.14
1979	JUL	24	6.14	AUG	1979	31	4.09
1979	AUG	31	4.09	AUG	1972	1	4.45
1979	SEP	30	3.06	AUG	1973	27	4.62
1973	MAY	31	13.70	SEP	1980	12	2.19
1973	JUN	8	10.30	SEP	1979	30	3.06
1973	JUL	25	4.64	SEP	1973	30	3.31
1973	AUG	27	4.62	SEP	1978	19	4.22
1973	SEP	30	3.31	SEP	1972	25	6.68

ALPHA= .0196 MU= .0038 QO= 22.02

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	44188.7	23486.0	13394.7	7270.0	3864.0	92163.4	13.09
CURVE 2	37962.4	17583.7	10680.8	6981.3	4784.2	77992.4	11.08

05QD006 WABIGOON RIVER NEAR QUIBELL

DRAINAGE AREA 6370 SQ KM REGULATED

PERIOD OF RECORD 1953-80

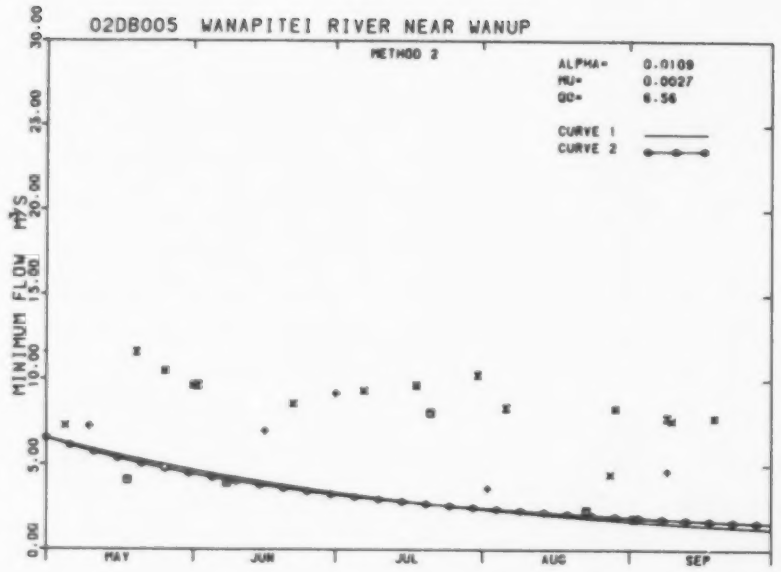
DISCHARGES IN CUBIC METRES PER SECOND

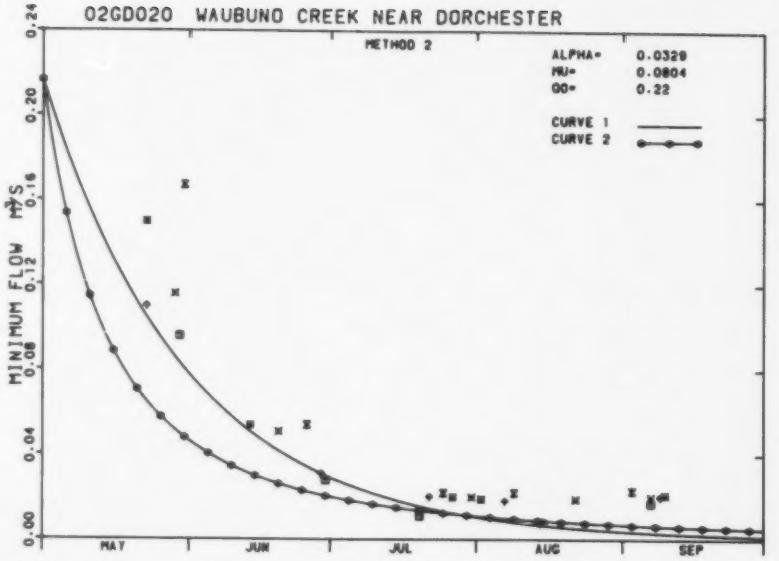
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	11.40	MAY	1980	31	11.40
1980	JUN	27	5.31	MAY	1958	20	18.20
1980	JUL	13	4.93	MAY	1977	9	21.80
1980	AUG	29	6.05	MAY	1955	25	25.10
1980	SEP	5	5.07	MAY	1973	31	27.00
1976	MAY	31	34.00	JUN	1980	27	5.31
1976	JUN	25	29.20	JUN	1973	16	23.20
1976	JUL	31	26.70	JUN	1958	29	25.30
1976	AUG	25	2.27	JUN	1961	26	28.60
1976	SEP	23	2.27	JUN	1976	25	29.20
1958	MAY	20	18.20	JUL	1980	13	4.93
1958	JUN	25	25.30	JUL	1973	6	21.30
1958	JUL	2	21.90	JUL	1958	2	21.90
1958	AUG	18	25.60	JUL	1961	31	24.00
1958	SEP	2	18.20	JUL	1955	19	25.60
1961	MAY	29	33.10	AUG	1976	25	2.27
1961	JUN	26	28.60	AUG	1980	29	6.05
1961	JUL	31	24.00	AUG	1961	22	19.40
1961	AUG	22	19.40	AUG	1954	16	21.60
1961	SEP	5	10.90	AUG	1959	31	21.70
1973	MAY	31	27.00	SEP	1976	23	2.27
1973	JUN	16	23.20	SEP	1980	5	5.07
1973	JUL	6	21.30	SEP	1957	9	9.23
1973	AUG	31	28.30	SEP	1961	5	10.90
1973	SEP	1	28.30	SEP	1954	7	11.40

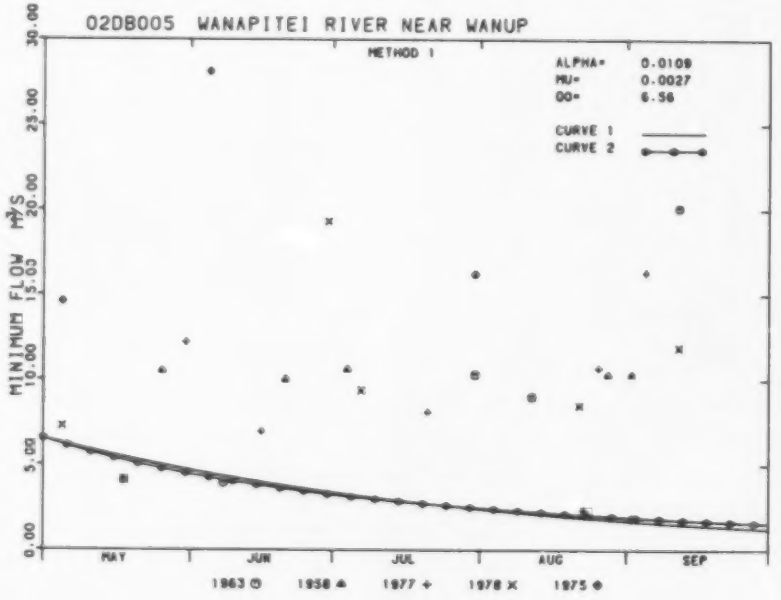
ALPHA= .0127 MU= .0028 QO= 12.91

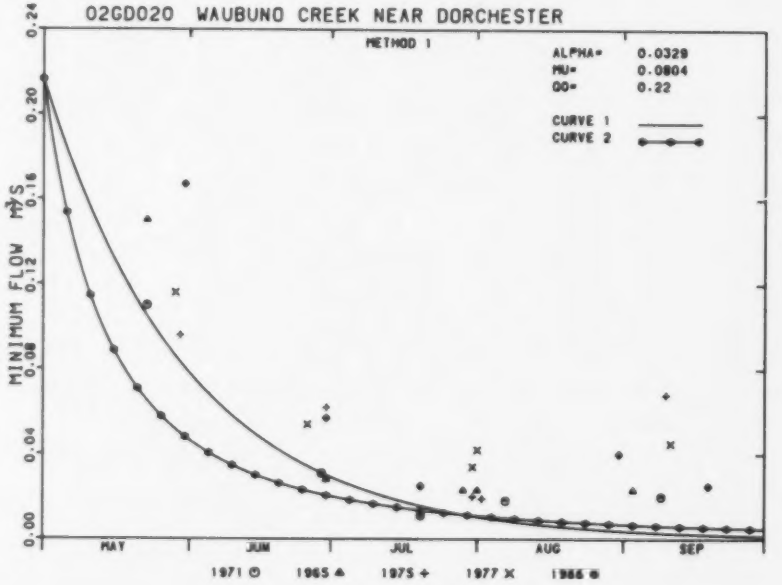
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	28563.4	18732.3	13128.3	8843.8	5799.9	75067.7	1.18
CURVE 2	26430.5	15922.2	11241.7	8124.5	5971.1	67690.0	1.06


02DB005 WANAPITEI RIVER NEAR WANUP
METHOD 2
ALPHA= 0.0109
MU= 0.0027
QO= 6.56
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP


02GD020 WAUBUNO CREEK NEAR DORCHESTER
METHOD 2
ALPHA= 0.0329
MU= 0.0804
QO= 0.22
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02DB005 WANAPITEI RIVER NEAR WANUP
METHOD 1
ALPHA= 0.0109
MU= 0.0027
QO= 6.56
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
5.00
10.00
15.00
20.00
25.00
30.00
MAY
JUN
JUL
AUG
SEP
1963 ⊙ 1958 ▲ 1977 + 1978 × 1975 ◆


02GD020 WAUBUNO CREEK NEAR DORCHESTER
METHOD 1
ALPHA= 0.0329
MU= 0.0804
QO= 0.22
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1971 ⊙ 1965 ▲ 1975 + 1977 × 1966 ◆

02DB005 WANAPITEI RIVER NEAR WANUP

DRAINAGE AREA 3130 SQ KM REGULATED

PERIOD OF RECORD 1952-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1963	MAY	18	4.11	MAY	1963	18	4.11
1963	JUN	8	3.94	MAY	1965	10	7.22
1963	JUL	31	10.30	MAY	1978	5	7.28
1963	AUG	12	9.00	MAY	1958	26	10.50
1963	SEP	12	20.10	MAY	1961	20	11.60
1958	MAY	26	10.50	JUN	1963	8	3.94
1958	JUN	21	10.00	JUN	1977	16	6.97
1958	JUL	4	10.60	JUN	1965	22	8.61
1958	AUG	28	10.30	JUN	1961	1	9.66
1958	SEP	2	10.30	JUN	1972	2	9.66
1977	MAY	31	12.20	JUL	1977	21	8.10
1977	JUN	16	6.97	JUL	1965	1	9.17
1977	JUL	21	8.10	JUL	1978	7	9.37
1977	AUG	26	10.70	JUL	1976	18	9.68
1977	SEP	5	16.30	JUL	1963	31	10.30
1978	MAY	5	7.28	AUG	1975	23	2.35
1978	JUN	30	19.30	AUG	1974	2	3.60
1978	JUL	7	9.37	AUG	1976	28	4.47
1978	AUG	22	8.50	AUG	1971	29	8.35
1978	SEP	12	11.90	AUG	1965	6	8.38
1975	MAY	5	14.60	SEP	1975	2	1.85
1975	JUN	5	28.10	SEP	1976	9	4.62
1975	JUL	31	16.20	SEP	1980	10	7.64
1975	AUG	23	2.35	SEP	1971	19	7.79
1975	SEP	2	1.85	SEP	1969	9	7.82

ALPHA= .0109 MU= .0027 QO= 6.56

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	14897.1	10332.4	7656.7	5459.3	3786.5	42131.9	1.35
CURVE 2	14473.8	9868.4	7577.8	5827.7	4487.1	42234.8	1.35

02GD020 WAUBUNO CREEK NEAR DORCHESTER

DRAINAGE AREA 108 SQ KM NATURAL FLOW

PERIOD OF RECORD 1965-80

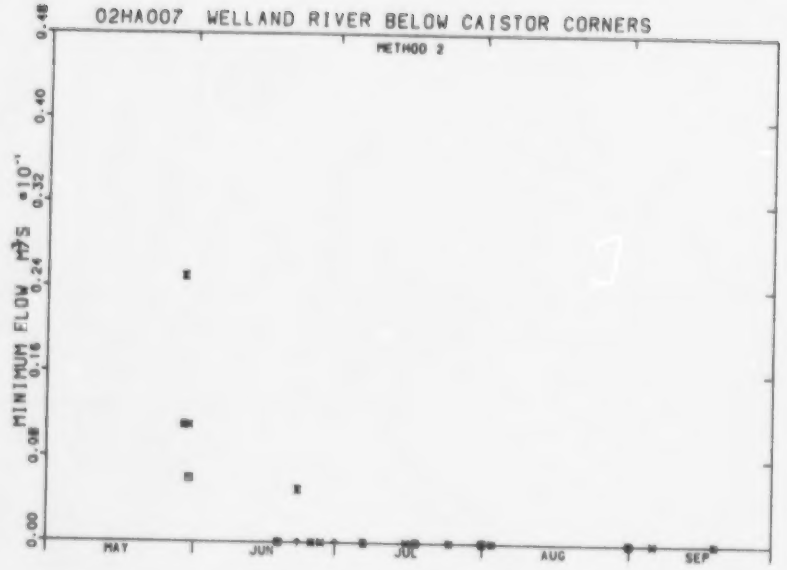
DISCHARGES IN CUBIC METRES PER SECOND

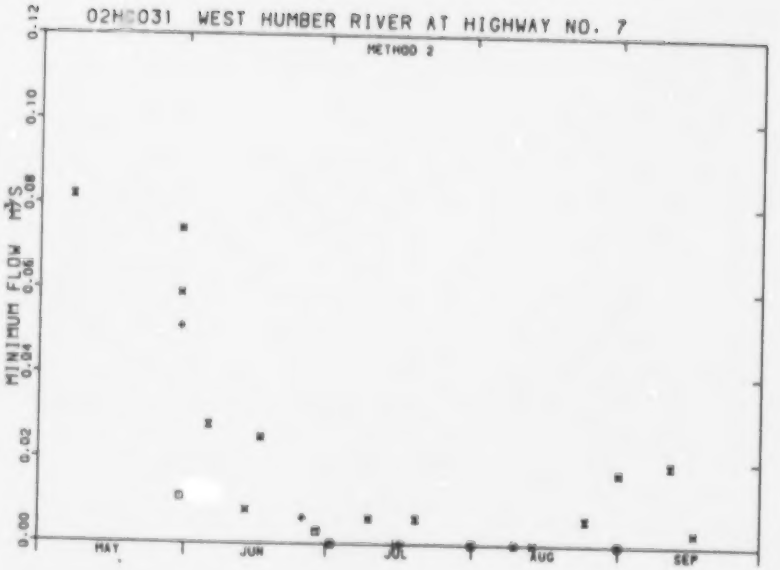
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	.110	MAY	1975	30	.096
1971	JUN	29	.031	MAY	1971	23	.110
1971	JUL	20	.011	MAY	1977	29	.116
1971	AUG	7	.018	MAY	1965	23	.130
1971	SEP	9	.020	MAY	1966	31	.167
1965	MAY	23	.150	JUN	1965	30	.028
1965	JUN	30	.028	JUN	1971	29	.031
1965	JUL	29	.023	JUN	1972	20	.051
1965	AUG	1	.023	JUN	1970	14	.054
1965	SEP	3	.023	JUN	1977	26	.054
1975	MAY	30	.096	JUL	1971	20	.011
1975	JUN	30	.062	JUL	1973	22	.020
1975	JUL	31	.020	JUL	1975	31	.020
1975	AUG	2	.019	JUL	1979	27	.020
1975	SEP	10	.068	JUL	1978	25	.022
1977	MAY	29	.116	AUG	1978	15	.008
1977	JUN	26	.054	AUG	1971	7	.018
1977	JUL	31	.034	AUG	1974	22	.019
1977	AUG	1	.042	AUG	1975	2	.019
1977	SEP	11	.045	AUG	1973	9	.022
1966	MAY	31	.167	SEP	1978	7	.017
1966	JUN	30	.037	SEP	1971	9	.020
1966	JUL	20	.025	SEP	1973	7	.020
1966	AUG	31	.040	SEP	1974	10	.021
1966	SEP	19	.025	SEP	1965	3	.023

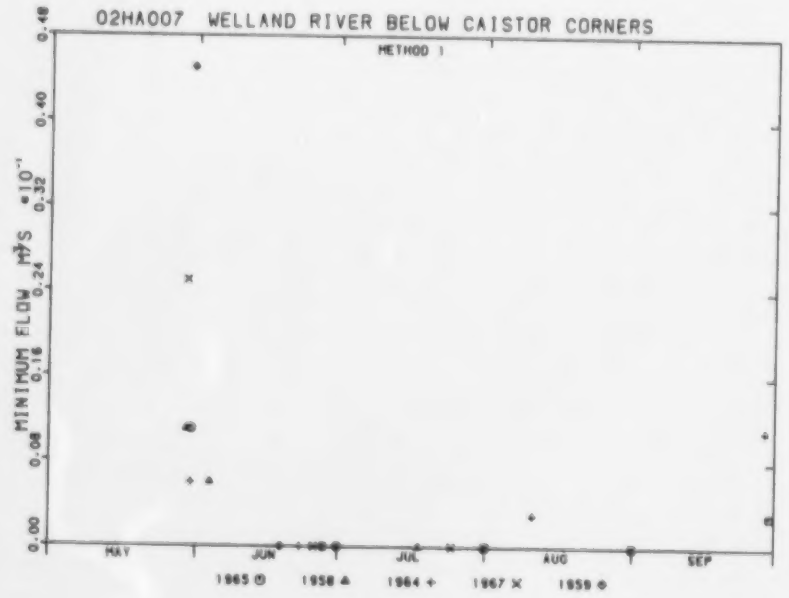
ALPHA= .0329 MU= .0804 QO= .22

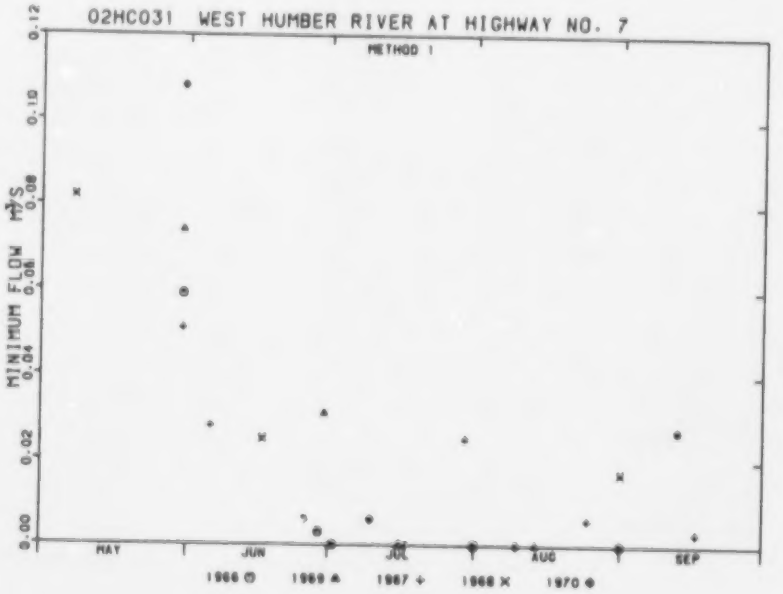
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	363.3	128.5	48.8	17.6	6.2	564.5	.52
CURVE 2	268.3	79.1	39.8	23.3	14.9	425.4	.39


02HA007 WELLAND RIVER BELOW CAISTOR CORNERS
METHOD 2
MINIMUM FLOW m³/s *10⁻¹
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP


02HC031 WEST HUMBER RIVER AT HIGHWAY NO. 7
METHOD 2
MINIMUM FLOW m³/s
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP


02HA007 WELLAND RIVER BELOW CAISTOR CORNERS
METHOD 1
MINIMUM FLOW m³/s *10⁻¹
0.00
0.08
0.16
0.24
0.32
0.40
0.48
MAY
JUN
JUL
AUG
SEP
1965 ⊙ 1958 ▲ 1964 + 1967 × 1959 ◆


02HC031 WEST HUMBER RIVER AT HIGHWAY NO. 7
METHOD 1
MINIMUM FLOW m³/s
0.00
0.02
0.04
0.06
0.08
0.10
0.12
MAY
JUN
JUL
AUG
SEP
1966 ⊙ 1969 ▲ 1967 + 1968 × 1970 ◆

02HA007 WELLAND RIVER BELOW CAISTOR CORNERS

DRAINAGE AREA 230 SQ KM REGULATED

PERIOD OF RECORD 1957-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1965	MAY	31	.011	MAY	1964	31	.006
1965	JUN	28	0.000	MAY	1958	30	.011
1965	JUL	1	0.000	MAY	1965	31	.011
1965	AUG	1	0.000	MAY	1977	30	.011
1965	SEP	30	.003	MAY	1967	30	.025
1958	MAY	30	.011	JUN	1959	19	0.000
1958	JUN	4	.006	JUN	1964	23	0.000
1958	JUL	18	0.000	JUN	1965	28	0.000
1958	AUG	1	0.000	JUN	1967	26	0.000
1958	SEP	1	0.000	JUN	1968	23	.005
1964	MAY	31	.006	JUL	1958	18	0.000
1964	JUN	23	0.000	JUL	1959	1	0.000
1964	JUL	1	0.000	JUL	1960	16	0.000
1964	AUG	11	.003	JUL	1961	25	0.000
1964	SEP	29	.011	JUL	1963	7	0.000
1967	MAY	30	.025	AUG	1958	1	0.000
1967	JUN	26	0.000	AUG	1959	1	0.000
1967	JUL	25	0.000	AUG	1960	1	0.000
1967	AUG	1	0.000	AUG	1963	3	0.000
1967	SEP	1	0.000	AUG	1965	1	0.000
1959	MAY	31	.045	SEP	1958	1	0.000
1959	JUN	19	0.000	SEP	1959	1	0.000
1959	JUL	1	0.000	SEP	1960	6	0.000
1959	AUG	1	0.000	SEP	1963	19	0.000
1959	SEP	1	0.000	SEP	1966	1	0.000

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.061	.005	0.000	0.000	0.000

02HC031 WEST HUMBER RIVER AT HIGHWAY NO. 7

DRAINAGE AREA 148 SQ KM NATURAL FLOW

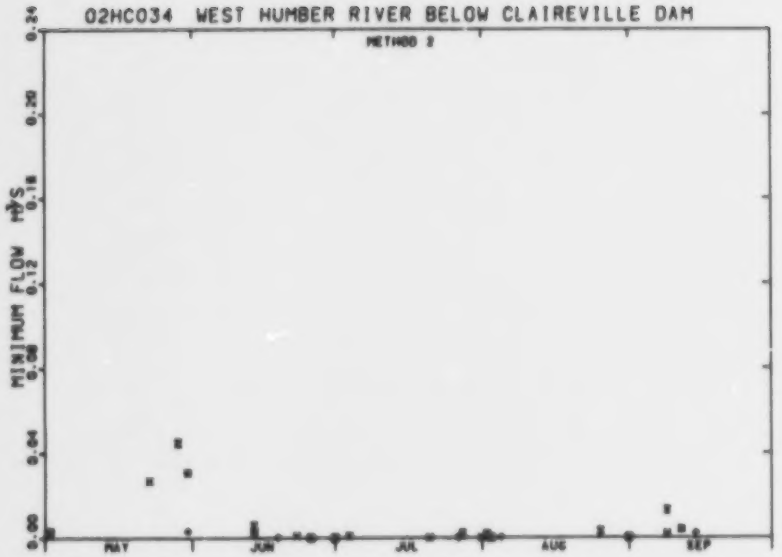
PERIOD OF RECORD 1965-80

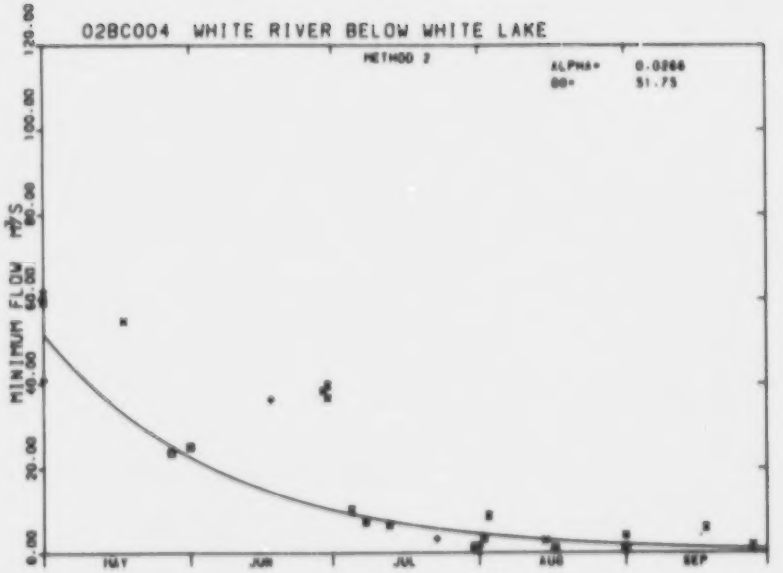
DISCHARGES IN CUBIC METRES PER SECOND

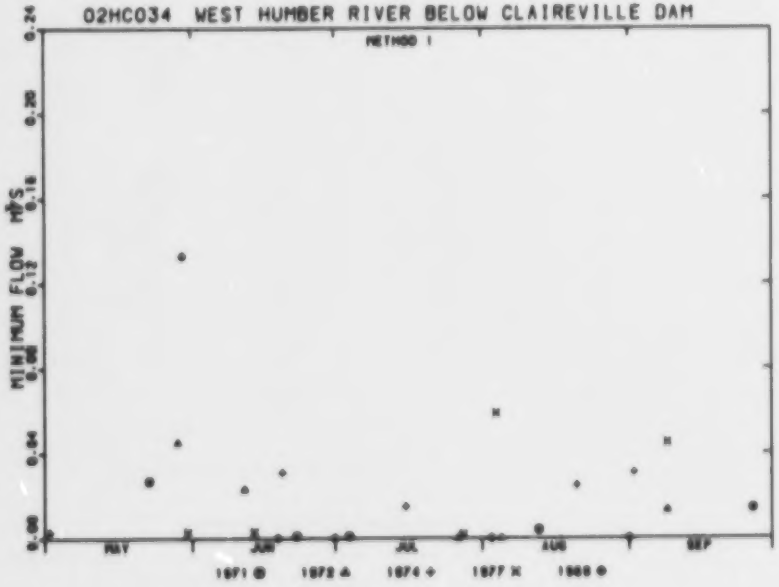
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	31	.059	MAY	1977	31	.011
1966	JUN	29	.003	MAY	1967	31	.051
1966	JUL	2	0.000	MAY	1966	31	.059
1966	AUG	1	0.000	MAY	1969	31	.074
1966	SEP	1	0.000	MAY	1968	8	.082
1969	MAY	31	.074	JUN	1966	29	.003
1969	JUN	30	.031	JUN	1970	26	.006
1969	JUL	16	0.000	JUN	1977	14	.008
1969	AUG	14	0.000	JUN	1968	17	.025
1969	SEP	1	0.000	JUN	1967	6	.028
1967	MAY	31	.051	JUL	1966	2	0.000
1967	JUN	6	.028	JUL	1968	17	0.000
1967	JUL	30	.025	JUL	1969	16	0.000
1967	AUG	25	.006	JUL	1970	10	.006
1967	SEP	17	.003	JUL	1979	20	.006
1968	MAY	8	.082	AUG	1966	1	0.000
1968	JUN	17	.025	AUG	1968	1	0.000
1968	JUL	17	0.000	AUG	1969	14	0.000
1968	AUG	1	0.000	AUG	1970	10	0.000
1968	SEP	1	.017	AUG	1967	25	.006
1970	MAY	31	.108	SEP	1966	1	0.000
1970	JUN	26	.006	SEP	1969	1	0.000
1970	JUL	10	.006	SEP	1967	17	.003
1970	AUG	10	0.000	SEP	1968	1	.017
1970	SEP	13	.027	SEP	1979	12	.019

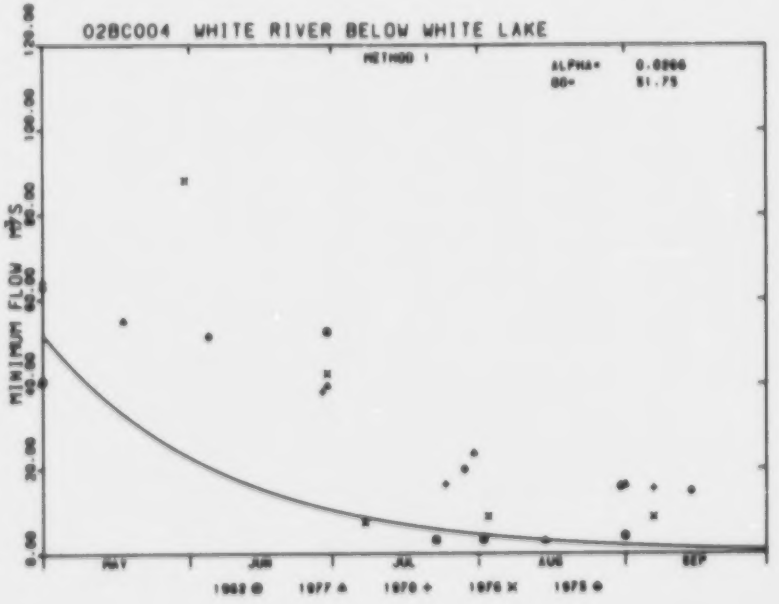
MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.091	.031	0.000	0.000	.001


02HC034 WEST HUMBER RIVER BELOW CLAIREVILLE DAM
METHOD 2
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP


02BC004 WHITE RIVER BELOW WHITE LAKE
METHOD 2
ALPHA= 0.0266
BB= 51.75
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP


02HC034 WEST HUMBER RIVER BELOW CLAIREVILLE DAM
METHOD 1
MINIMUM FLOW M³/S
0.00
0.04
0.08
0.12
0.16
0.20
0.24
MAY
JUN
JUL
AUG
SEP
1971
1972
1974
1977
1988


02BC004 WHITE RIVER BELOW WHITE LAKE
METHOD 1
ALPHA= 0.0266
BB= 51.75
MINIMUM FLOW M³/S
0.00
20.00
40.00
60.00
80.00
100.00
120.00
MAY
JUN
JUL
AUG
SEP
1982
1977
1978
1976
1975

02HC034 WEST HUMBER RIVER BELOW CLAIREVILLE DAM

DRAINAGE AREA 194 50 KM REGULATED

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	.027	MAY	1974	2	.003
1971	JUN	23	.001	MAY	1977	31	.003
1971	JUL	4	.001	MAY	1971	23	.027
1971	AUG	13	.004	MAY	1967	31	.031
1971	SEP	27	.014	MAY	1972	29	.049
1972	MAY	29	.049	JUN	1966	26	0.000
1972	JUN	12	.023	JUN	1969	19	0.000
1972	JUL	27	0.000	JUN	1971	23	.001
1972	AUG	9	0.000	JUN	1977	14	.003
1972	SEP	9	.013	JUN	1970	14	.006
1974	MAY	2	.003	JUL	1969	1	0.000
1974	JUN	20	.031	JUL	1972	27	0.000
1974	JUL	16	.019	JUL	1979	21	0.000
1974	AUG	21	.029	JUL	1971	4	.001
1974	SEP	2	.031	JUL	1977	28	.302
1977	MAY	31	.003	AUG	1969	3	0.000
1977	JUN	14	.003	AUG	1972	3	0.000
1977	JUL	28	.002	AUG	1979	1	0.000
1977	AUG	4	.959	AUG	1978	2	.002
1977	SEP	9	.049	AUG	1976	26	.003
1969	MAY	30	.133	SEP	1969	1	0.000
1969	JUN	19	0.000	SEP	1976	15	.002
1969	JUL	1	0.000	SEP	1979	9	.002
1969	AUG	9	0.000	SEP	1980	12	.004
1969	SEP	1	0.000	SEP	1972	9	.013

MINIMUM MONTHLY DISCHARGES IN CUBIC METRES PER SECOND

MAY	JUN	JUL	AUG	SEP
.099	.020	0.000	0.000	.010

02SC004 WHITE RIVER BELOW WHITE LAKE

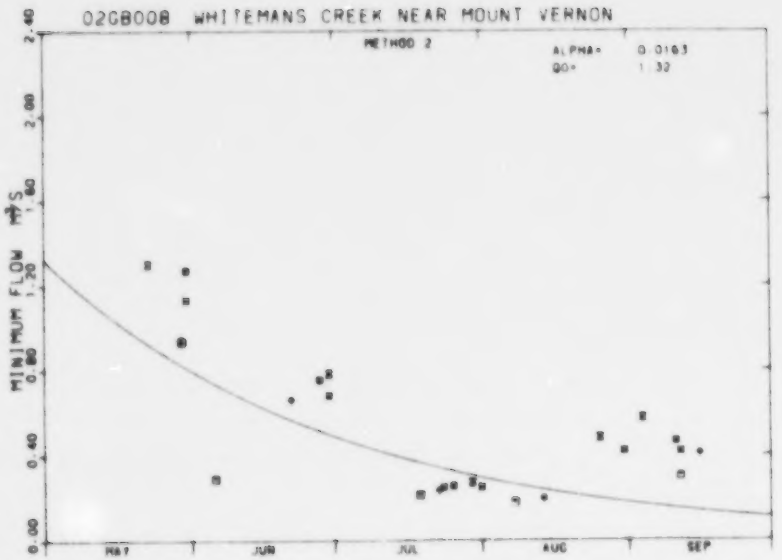
DRAINAGE AREA 4170 50 KM REGULATED

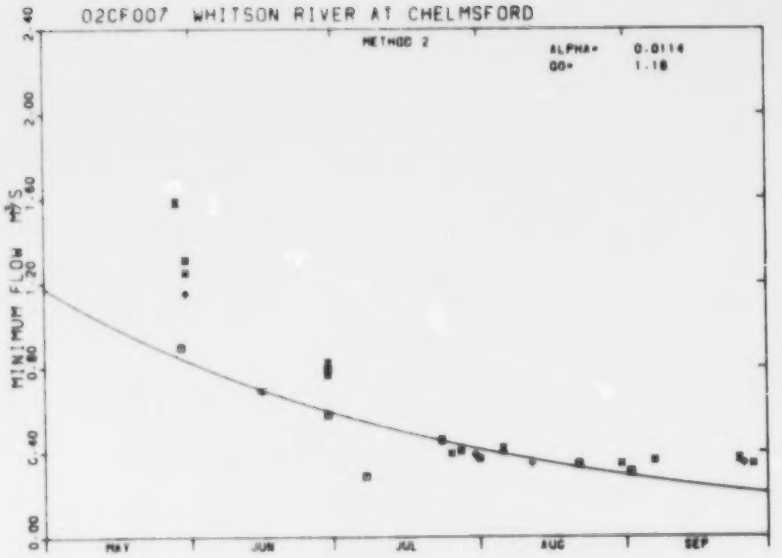
PERIOD OF RECORD 1959-80

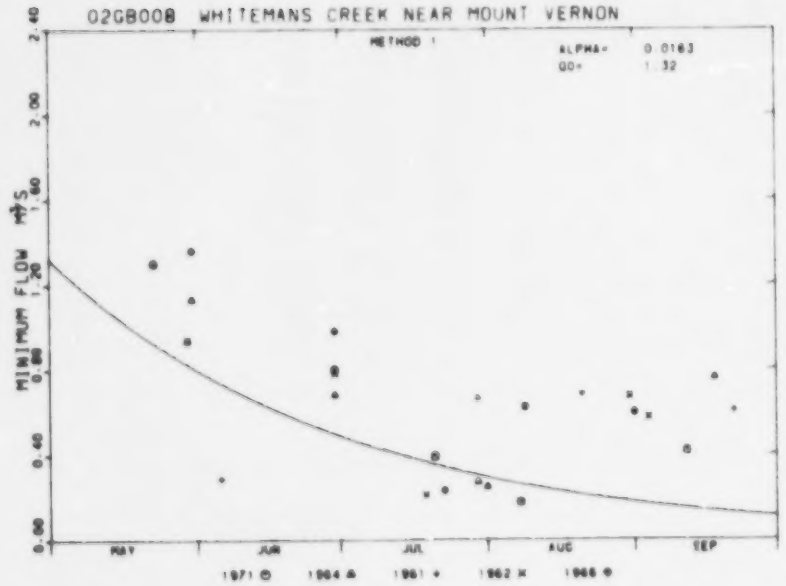
DISCHARGES IN CUBIC METRES PER SECOND

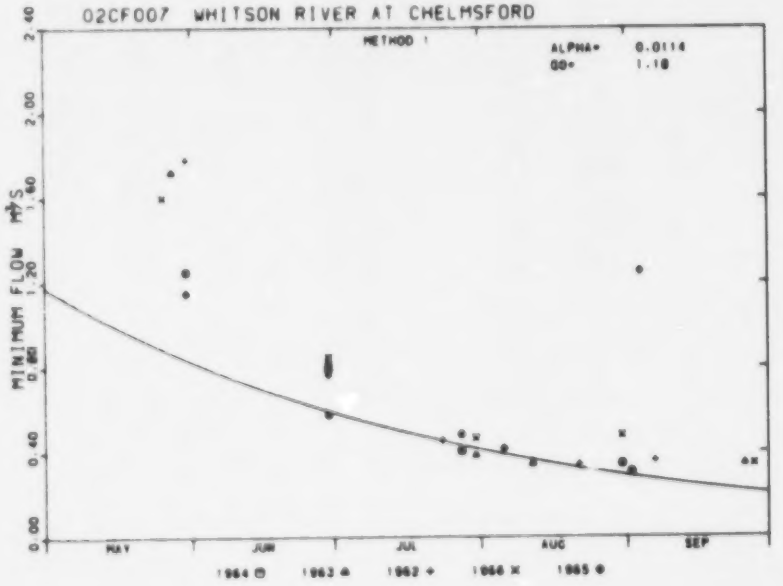
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1962	MAY	1	48.80	MAY	1960	28	25.00
1962	JUN	20	52.40	MAY	1962	1	48.80
1962	JUL	23	3.23	MAY	1977	10	34.90
1962	AUG	2	3.28	MAY	1972	1	59.20
1962	SEP	1	4.13	MAY	1965	1	61.40
1977	MAY	10	94.90	JUN	1960	1	25.20
1977	JUN	20	39.60	JUN	1972	10	30.20
1977	JUL	31	23.60	JUN	1980	30	30.60
1977	AUG	15	2.97	JUN	1978	29	30.20
1977	SEP	1	10.10	JUN	1977	30	39.60
1970	MAY	1	64.30	JUL	1960	31	1.44
1970	JUN	29	30.20	JUL	1962	23	3.23
1970	JUL	25	10.40	JUL	1967	13	6.31
1970	AUG	31	10.00	JUL	1976	6	7.31
1970	SEP	7	13.40	JUL	1966	9	10.30
1976	MAY	31	88.10	AUG	1961	17	1.13
1976	JUN	30	42.30	AUG	1960	1	1.42
1976	JUL	8	7.31	AUG	1977	19	2.97
1976	AUG	3	8.75	AUG	1962	2	3.28
1976	SEP	7	8.50	AUG	1976	3	8.79
1979	MAY	1	62.90	SEP	1961	1	1.24
1979	JUN	9	31.30	SEP	1960	1	1.64
1979	JUL	29	19.90	SEP	1966	28	1.90
1979	AUG	31	13.70	SEP	1962	1	4.13
1979	SEP	19	14.70	SEP	1971	18	9.97

ALPHA= .0266 60= 31.79


02GB008 WHITEMANS CREEK NEAR MOUNT VERNON
METHOD 2
ALPHA= 0.0163
QO= 1.32
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02CF007 WHITSON RIVER AT CHELMSFORD
METHOD 2
ALPHA= 0.0114
QO= 1.18
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP


02GB008 WHITEMANS CREEK NEAR MOUNT VERNON
METHOD 1
ALPHA= 0.0163
QO= 1.32
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1971
1964
1961
1962
1966


02CF007 WHITSON RIVER AT CHELMSFORD
METHOD 1
ALPHA= 0.0114
QO= 1.18
MINIMUM FLOW M³/S
0.00
0.40
0.80
1.20
1.60
2.00
2.40
MAY
JUN
JUL
AUG
SEP
1964
1963
1962
1966
1965

08CB008 WHITEHORSE CREEK NEAR MOUNT VERNON

DRAINAGE AREA 303 SQ KM REGULATED

PERIOD OF RECORD 1961-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1971	MAY	23	1.30	MAY	1961	30	.93
1971	JUN	30	.80	MAY	1962	30	.94
1971	JUL	21	.99	MAY	1964	31	1.13
1971	AUG	8	.18	MAY	1977	31	1.27
1971	SEP	12	.42	MAY	1971	23	1.30
1964	MAY	31	1.13	JUN	1961	6	.29
1964	JUN	30	.68	JUN	1966	22	.66
1964	JUL	30	.27	JUN	1964	30	.68
1964	AUG	1	.29	JUN	1963	28	.75
1964	SEP	18	.76	JUN	1962	30	.78
1961	MAY	30	.93	JUL	1962	19	.21
1961	JUN	6	.29	JUL	1966	23	.23
1961	JUL	30	.66	JUL	1979	24	.25
1961	AUG	21	.69	JUL	1969	26	.26
1961	SEP	22	.61	JUL	1964	30	.27
1962	MAY	30	.94	AUG	1971	8	.18
1962	JUN	30	.78	AUG	1969	14	.19
1962	JUL	19	.21	AUG	1964	1	.29
1962	AUG	31	.67	AUG	1973	31	.42
1962	SEP	4	.58	AUG	1963	26	.48
1966	MAY	31	1.36	SEP	1973	12	.30
1966	JUN	30	.98	SEP	1969	16	.41
1966	JUL	23	.23	SEP	1971	12	.42
1966	AUG	9	.62	SEP	1963	11	.46
1966	SEP	1	.60	SEP	1962	4	.58

ALPHA= .0163 BB= 1.92

08CF007 WHITSON RIVER AT CHELMSFORD

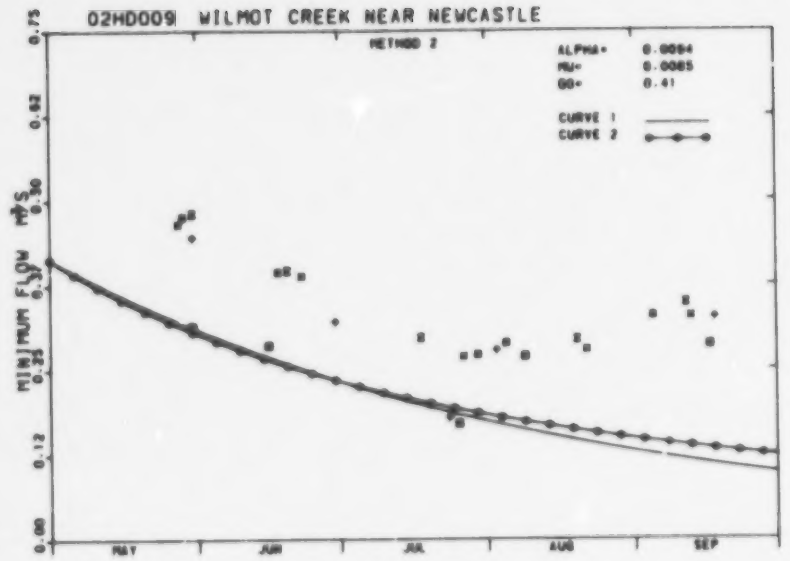
DRAINAGE AREA 272 SQ KM NATURAL FLOW

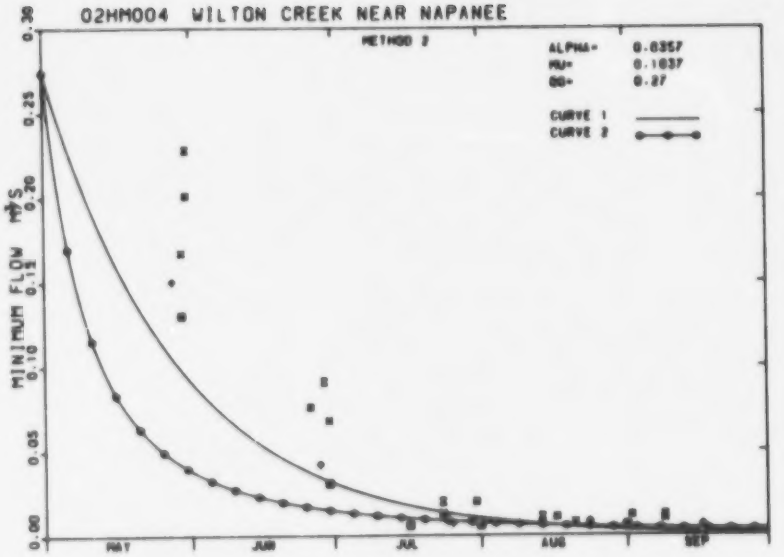
PERIOD OF RECORD 1968-80

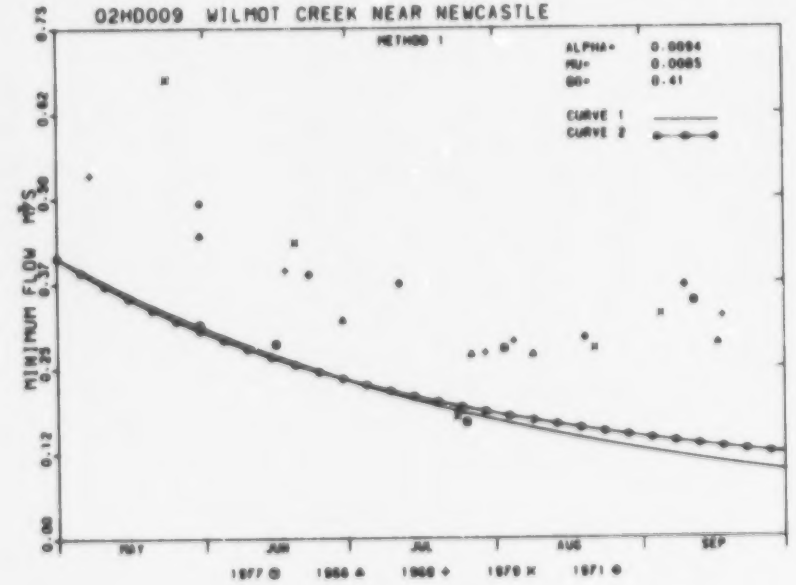
DISCHARGES IN CUBIC METRES PER SECOND

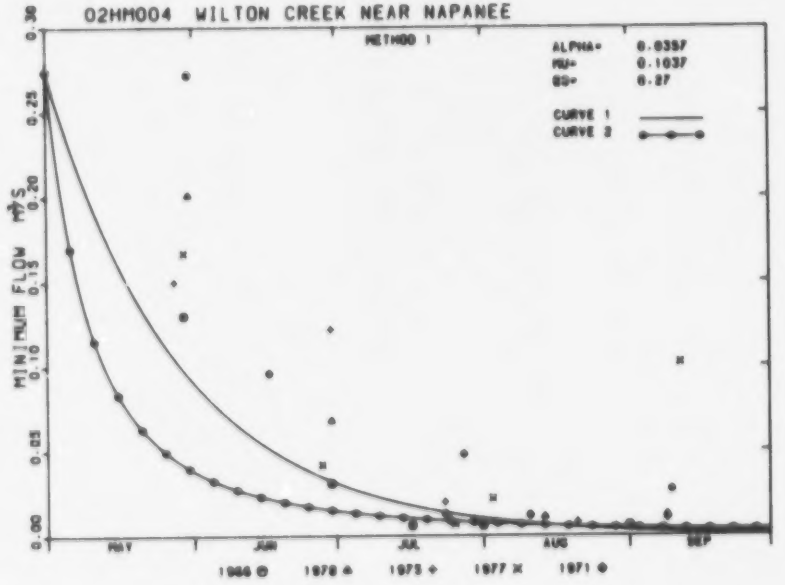
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	31	1.23	MAY	1977	30	.90
1964	JUN	30	.79	MAY	1965	31	1.15
1964	JUL	28	.41	MAY	1964	31	1.29
1964	AUG	31	.39	MAY	1972	31	1.31
1964	SEP	2	.31	MAY	1968	25	1.38
1963	MAY	28	1.72	JUN	1965	30	.98
1963	JUN	30	.82	JUN	1977	14	.69
1963	JUL	31	.39	JUN	1962	30	.77
1963	AUG	12	.34	JUN	1964	30	.79
1963	SEP	26	.34	JUN	1963	30	.82
1962	MAY	31	1.78	JUL	1972	8	.29
1962	JUN	30	.77	JUL	1965	31	.39
1962	JUL	24	.46	JUL	1979	26	.39
1962	AUG	22	.34	JUL	1964	28	.41
1962	SEP	7	.36	JUL	1962	24	.46
1966	MAY	26	1.60	AUG	1962	22	.34
1966	JUN	30	.85	AUG	1965	12	.34
1966	JUL	31	.47	AUG	1964	31	.35
1966	AUG	31	.48	AUG	1973	1	.37
1966	SEP	28	.34	AUG	1969	6	.42
1965	MAY	31	1.19	SEP	1964	2	.31
1965	JUN	30	.58	SEP	1965	26	.34
1965	JUL	28	.48	SEP	1966	28	.34
1965	AUG	6	.42	SEP	1962	7	.36
1965	SEP	4	1.29	SEP	1969	29	.37

ALPHA= .0114 BB= 1.18


02HD009 WILMOT CREEK NEAR NEWCASTLE
METHOD 2
ALPHA= 0.0084
MU= 0.0085
QO= 0.41
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HM004 WILTON CREEK NEAR NAPANEE
METHOD 2
ALPHA= 0.0357
MU= 0.1037
QO= 0.27
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02HD009 WILMOT CREEK NEAR NEWCASTLE
METHOD 1
ALPHA= 0.0084
MU= 0.0085
QO= 0.41
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977
1966
1968
1970
1971


02HM004 WILTON CREEK NEAR NAPANEE
METHOD 1
ALPHA= 0.0357
MU= 0.1037
QO= 0.27
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1966
1970
1975
1977
1971

02HB009 WILMOT CREEK NEAR NEWCASTLE

DRAINAGE AREA 82.6 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

DISCHARGES IN CUBIC METRES PER SECOND

	METHOD 1			METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	31	.314	MAY	1977	31	.314
1977	JUN	16	.296	MAY	1966	31	.445
1977	JUL	26	.170	MAY	1980	28	.465
1977	AUG	3	.270	MAY	1972	29	.476
1977	SEP	12	.340	MAY	1967	31	.481
1966	MAY	31	.445	JUN	1977	16	.296
1966	JUN	30	.320	JUN	1966	30	.320
1966	JUL	27	.269	JUN	1971	23	.308
1966	AUG	9	.269	JUN	1968	18	.394
1966	SEP	17	.286	JUN	1972	20	.396
1968	MAY	8	.333	JUL	1977	26	.170
1968	JUN	18	.394	JUL	1979	24	.179
1968	JUL	30	.272	JUL	1966	27	.269
1968	AUG	5	.289	JUL	1968	30	.272
1968	SEP	18	.326	JUL	1978	18	.297
1979	MAY	24	.676	AUG	1966	9	.269
1979	JUN	20	.433	AUG	1977	3	.270
1979	JUL	24	.179	AUG	1979	22	.279
1979	AUG	22	.279	AUG	1968	5	.289
1979	SEP	5	.329	AUG	1971	20	.294
1971	MAY	31	.493	SEP	1966	17	.286
1971	JUN	23	.308	SEP	1968	18	.326
1971	JUL	12	.274	SEP	1967	13	.328
1971	AUG	20	.294	SEP	1979	5	.329
1971	SEP	10	.371	SEP	1977	12	.340

ALPHA= .0894 MU= .0869 BB= .41

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	960.0	696.9	940.4	483.9	292.9	2893.6	3.50
CURVE 2	947.0	687.9	993.4	441.9	349.8	2979.7	3.61

02HP004 WILTON CREEK NEAR NAPANEE

DRAINAGE AREA 112 SQ KM NATURAL FLOW

PERIOD OF RECORD 1969-80

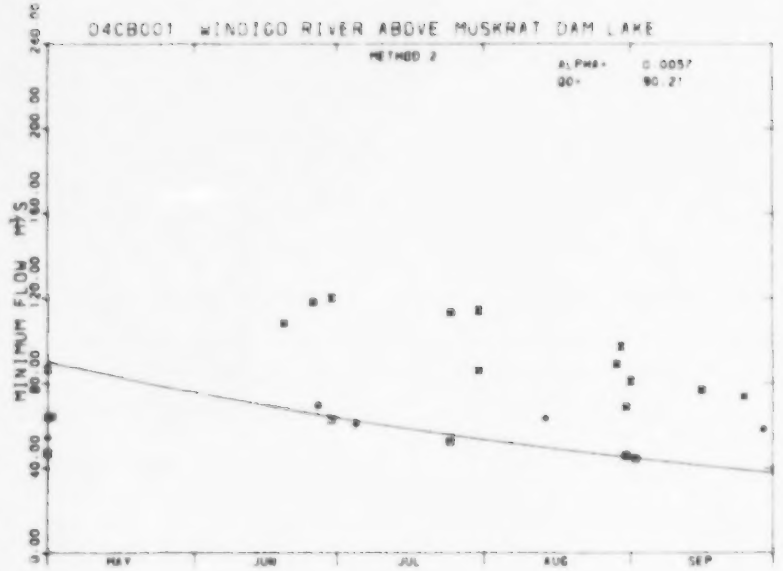
DISCHARGES IN CUBIC METRES PER SECOND

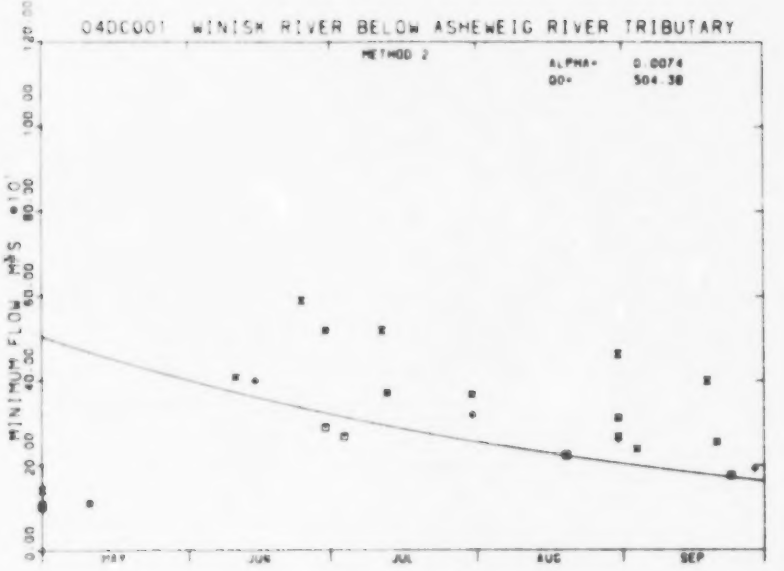
	METHOD 1			METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1966	MAY	30	.130	MAY	1966	30	.130
1966	JUN	30	.031	MAY	1975	28	.150
1966	JUL	17	.006	MAY	1977	30	.167
1966	AUG	1	.006	MAY	1978	31	.201
1966	SEP	1	.006	MAY	1980	31	.228
1978	MAY	31	.201	JUN	1966	30	.031
1978	JUN	30	.060	JUN	1977	28	.042
1978	JUL	24	.013	JUN	1978	30	.060
1978	AUG	14	.011	JUN	1970	26	.076
1978	SEP	9	.012	JUN	1967	29	.091
1975	MAY	28	.150	JUL	1966	17	.006
1975	JUN	30	.122	JUL	1977	26	.007
1975	JUL	24	.020	JUL	1978	24	.013
1975	AUG	21	.006	JUL	1967	31	.020
1975	SEP	9	.010	JUL	1973	24	.020
1977	MAY	30	.167	AUG	1966	1	.006
1977	JUN	28	.042	AUG	1967	24	.008
1977	JUL	26	.007	AUG	1975	21	.008
1977	AUG	3	.022	AUG	1976	17	.011
1977	SEP	12	.102	AUG	1978	14	.011
1971	MAY	31	.272	SEP	1966	1	.006
1971	JUN	17	.096	SEP	1967	17	.006
1971	JUL	28	.048	SEP	1975	9	.010
1971	AUG	11	.012	SEP	1974	2	.012
1971	SEP	10	.027	SEP	1978	9	.012

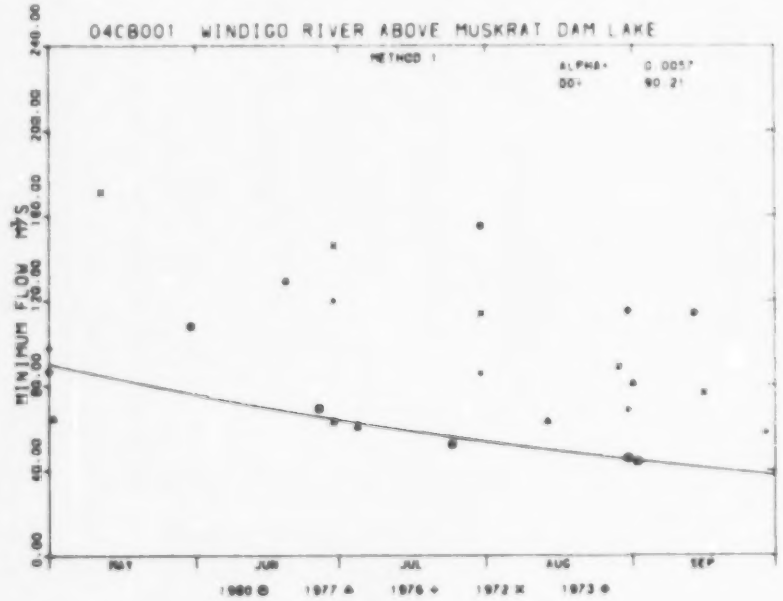
ALPHA= .0357 MU= .1037 BB= .27

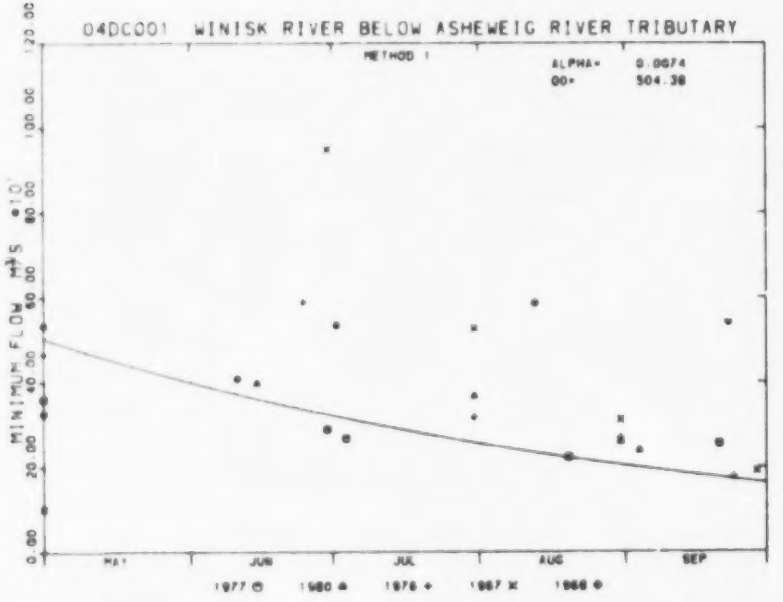
TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	443.7	144.0	90.2	16.6	9.4	699.9	.99
CURVE 2	273.6	61.4	28.4	16.0	9.9	389.3	.55


04CB001 WINDIGO RIVER ABOVE MUSKRAT DAM LAKE
METHOD 2
ALPHA= 0.0057
QO= 90.21
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


04DC001 WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY
METHOD 2
ALPHA= 0.0074
QO= 504.38
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


04CB001 WINDIGO RIVER ABOVE MUSKRAT DAM LAKE
METHOD 1
ALPHA= 0.0057
QO= 90.21
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1980 1977 1976 1972 1973


04DC001 WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY
METHOD 1
ALPHA= 0.0074
QO= 504.38
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1977 1980 1976 1967 1968

04CB001 WINDIGO RIVER ABOVE MUSKRAT DAM LAKE

DRAINAGE AREA 10000 SQ KM NATURAL FLOW

PERIOD OF RECORD 1967-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	31	100.00	MAY	1970	1	47.00
1980	JUN	27	69.10	MAY	1968	1	94.10
1980	JUL	29	92.30	MAY	1974	1	64.00
1980	AUG	31	49.70	MAY	1977	2	64.30
1980	SEP	2	44.10	MAY	1973	1	86.70
1977	MAY	2	64.30	JUN	1977	30	62.60
1977	JUN	30	62.60	JUN	1980	27	69.10
1977	JUL	5	60.30	JUN	1978	28	100.00
1977	AUG	14	62.90	JUN	1969	26	110.00
1977	SEP	1	80.70	JUN	1976	30	120.00
1976	MAY	1	97.70	JUL	1980	25	92.30
1976	JUN	30	120.00	JUL	1977	5	60.30
1976	JUL	31	89.00	JUL	1976	31	89.00
1976	AUG	31	60.50	JUL	1971	25	113.00
1976	SEP	29	97.00	JUL	1972	31	114.00
1972	MAY	12	171.00	AUG	1980	31	49.70
1972	JUN	30	146.00	AUG	1977	14	62.90
1972	JUL	31	114.00	AUG	1976	31	60.50
1972	AUG	29	80.60	AUG	1972	29	80.60
1972	SEP	16	76.90	AUG	1971	30	97.10
1973	MAY	1	86.70	SEP	1980	2	44.10
1973	JUN	20	129.00	SEP	1976	29	97.00
1973	JUL	31	159.00	SEP	1971	25	73.60
1973	AUG	31	119.00	SEP	1972	16	76.90
1973	SEP	14	114.00	SEP	1977	1	80.70

ALPHA= .0057 BB= 90.21

04DC001 WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY

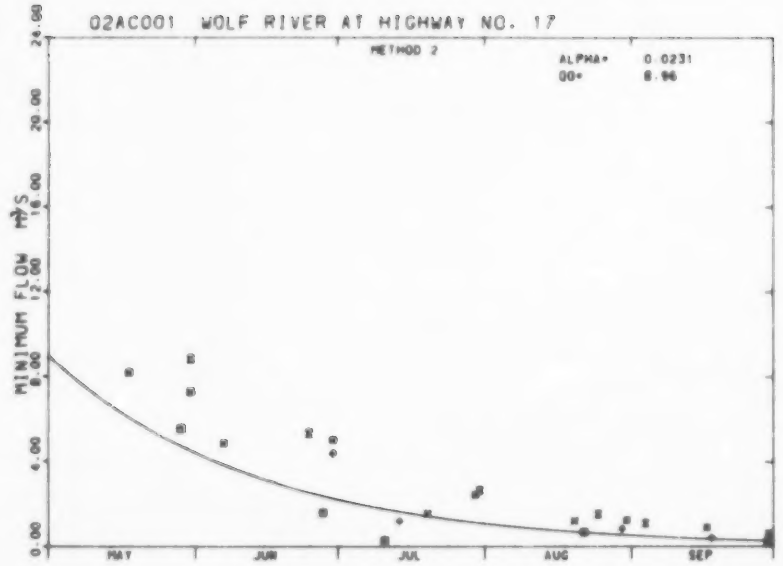
DRAINAGE AREA 50000 SQ KM NATURAL FLOW

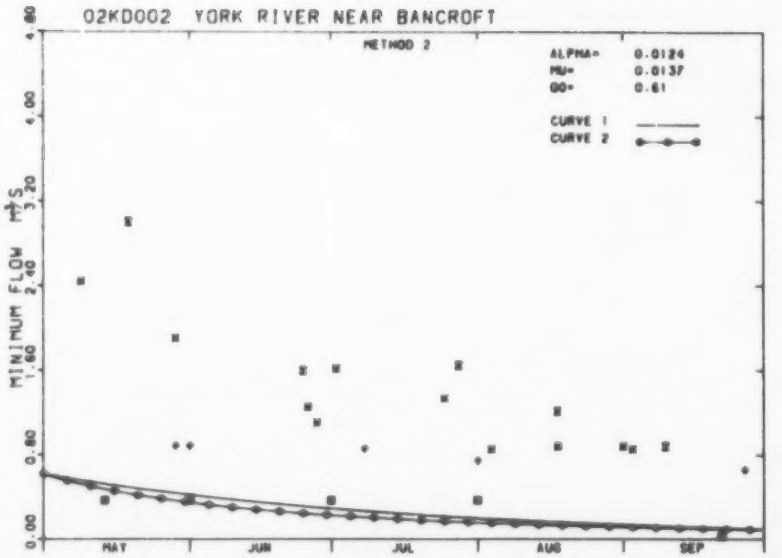
PERIOD OF RECORD 1965-80

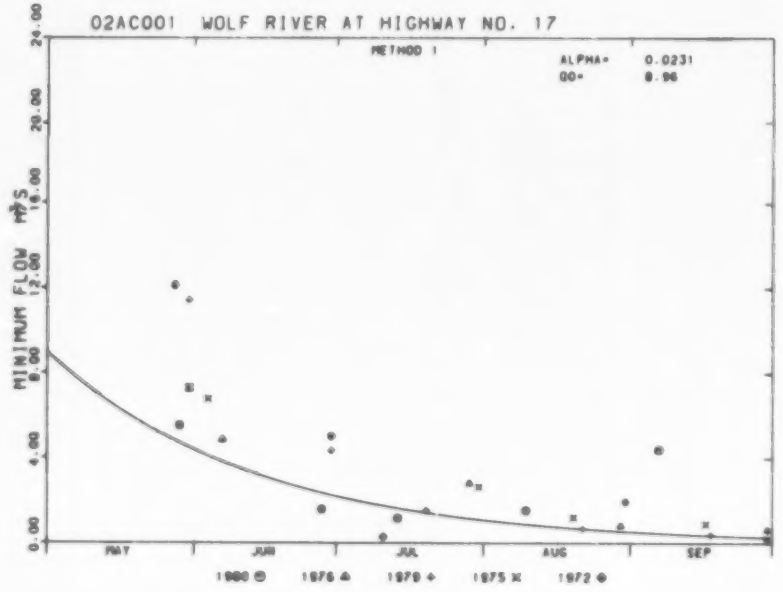
DISCHARGES IN CUBIC METRES PER SECOND

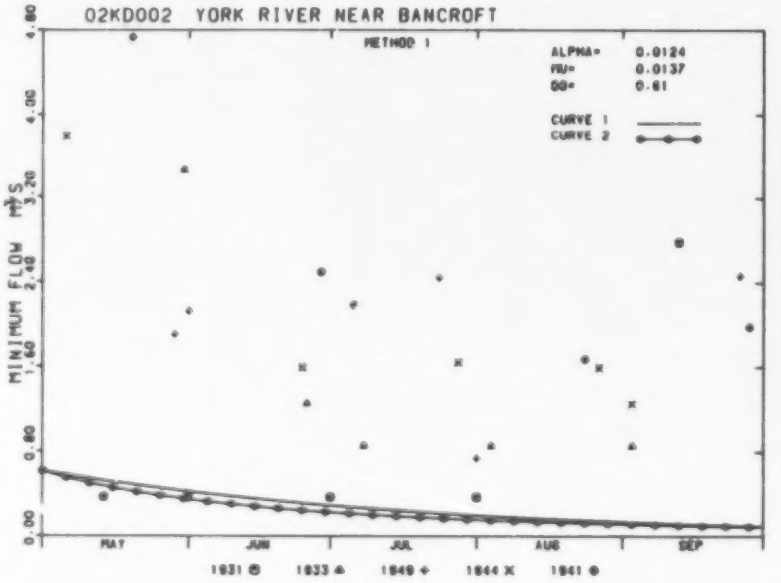
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1977	MAY	1	360.00	MAY	1967	1	102.00
1977	JUN	30	289.00	MAY	1972	1	104.00
1977	JUL	4	268.00	MAY	1979	1	109.00
1977	AUG	28	223.00	MAY	1966	11	111.00
1977	SEP	21	259.00	MAY	1973	1	142.00
1980	MAY	1	939.00	JUN	1977	30	289.00
1980	JUN	19	897.00	JUN	1980	19	897.00
1980	JUL	31	567.00	JUN	1968	11	400.00
1980	AUG	31	259.00	JUN	1979	30	918.00
1980	SEP	4	238.00	JUN	1976	29	989.00
1976	MAY	1	467.00	JUL	1977	4	268.00
1976	JUN	29	989.00	JUL	1976	31	817.00
1976	JUL	31	817.00	JUL	1980	31	567.00
1976	AUG	31	268.00	JUL	1979	19	870.00
1976	SEP	24	176.00	JUL	1971	12	918.00
1967	MAY	1	102.00	AUG	1977	28	223.00
1967	JUN	30	949.00	AUG	1980	31	259.00
1967	JUL	31	927.00	AUG	1976	31	268.00
1967	AUG	31	311.00	AUG	1967	31	311.00
1967	SEP	29	191.00	AUG	1972	31	442.00
1968	MAY	1	326.00	SEP	1976	24	176.00
1968	JUN	11	400.00	SEP	1967	29	191.00
1968	JUL	2	339.00	SEP	1980	4	238.00
1968	AUG	18	986.00	SEP	1977	21	259.00
1968	SEP	23	941.00	SEP	1973	19	399.00

ALPHA= .0074 BB= 304.30


02AC001 WOLF RIVER AT HIGHWAY NO. 17
METHOD 2
ALPHA= 0.0231
QO= 8.96
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02KD002 YORK RIVER NEAR BANCROFT
METHOD 2
ALPHA= 0.0124
MU= 0.0137
QO= 0.61
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP


02AC001 WOLF RIVER AT HIGHWAY NO. 17
METHOD 1
ALPHA= 0.0231
QO= 8.96
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1980 1976 1979 1975 1972


02KD002 YORK RIVER NEAR BANCROFT
METHOD 1
ALPHA= 0.0124
MU= 0.0137
QO= 0.61
CURVE 1
CURVE 2
MINIMUM FLOW M³/S
MAY
JUN
JUL
AUG
SEP
1931 1933 1949 1944 1941

02AC001 WOLF RIVER AT HIGHWAY NO. 17

DRAINAGE AREA 736 SQ KM NATURAL FLOW

PERIOD OF RECORD 1971-80

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1980	MAY	29	9.52	MAY	1980	29	9.52
1980	JUN	28	1.99	MAY	1976	31	7.22
1980	JUL	14	1.17	MAY	1975	31	7.28
1980	AUG	18	1.33	MAY	1977	16	8.18
1980	SEP	7	4.48	MAY	1973	31	8.81
1976	MAY	31	7.22	JUN	1980	28	1.99
1976	JUN	7	4.84	JUN	1979	30	4.34
1976	JUL	29	2.81	JUN	1976	7	4.84
1976	AUG	30	.82	JUN	1972	30	9.01
1976	SEP	30	.63	JUN	1970	29	9.32
1979	MAY	31	11.48	JUL	1972	11	.29
1979	JUN	30	4.34	JUL	1980	14	1.17
1979	JUL	20	1.39	JUL	1979	20	1.95
1979	AUG	22	.68	JUL	1978	30	2.43
1979	SEP	18	.48	JUL	1975	31	2.64
1975	MAY	31	7.28	AUG	1979	22	.68
1975	JUN	4	6.77	AUG	1976	30	.82
1979	JUL	31	2.64	AUG	1975	20	1.21
1979	AUG	20	1.21	AUG	1971	31	1.24
1979	SEP	17	.91	AUG	1977	25	1.92
1972	MAY	26	12.10	SEP	1972	30	.23
1972	JUN	30	9.01	SEP	1979	18	.48
1972	JUL	11	.29	SEP	1976	30	.63
1972	AUG	31	1.99	SEP	1979	17	.91
1972	SEP	30	.23	SEP	1971	4	1.18

ALPHA= .0231 QO= 8.96

02KD002 YORK RIVER NEAR BANCROFT

DRAINAGE AREA 837 SQ KM REGULATED

PERIOD OF RECORD 1915-80

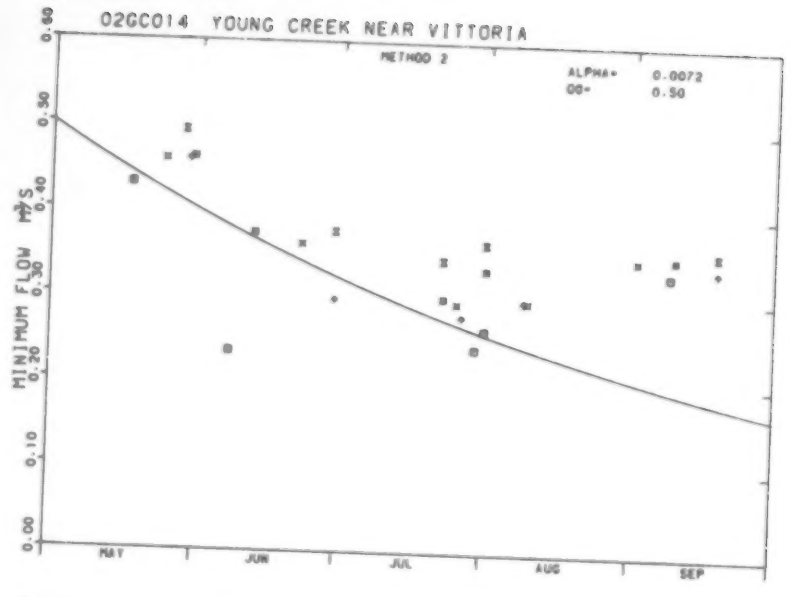
DISCHARGES IN CUBIC METRES PER SECOND

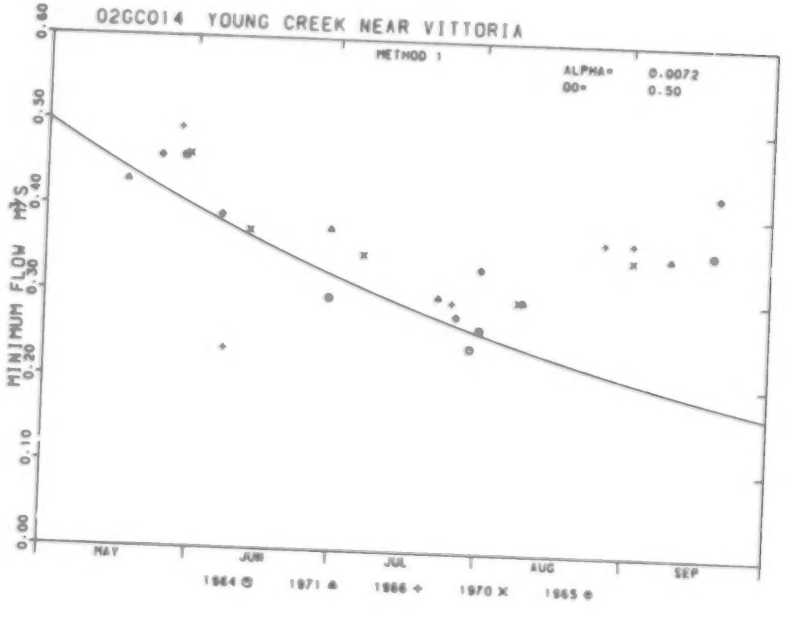
METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1931	MAY	14	.37	MAY	1931	14	.37
1931	JUN	1	.37	MAY	1935	29	.88
1931	JUL	1	.37	MAY	1949	29	1.98
1931	AUG	1	.37	MAY	1948	9	2.44
1931	SEP	13	2.78	MAY	1955	19	3.00
1933	MAY	31	3.45	JUN	1931	1	.37
1933	JUN	26	1.25	JUN	1935	1	.88
1933	JUL	6	.85	JUN	1939	28	1.10
1933	AUG	4	.85	JUN	1933	26	1.25
1933	SEP	3	.85	JUN	1944	25	1.59
1949	MAY	29	1.98	JUL	1931	1	.37
1949	JUN	1	2.12	JUL	1933	8	.85
1949	JUL	24	2.44	JUL	1937	25	1.33
1949	AUG	1	.74	JUL	1921	2	1.61
1949	SEP	26	2.46	JUL	1944	28	1.64
1944	MAY	6	3.77	AUG	1931	1	.37
1944	JUN	25	1.59	AUG	1949	1	.74
1944	JUL	28	1.64	AUG	1933	4	.85
1944	AUG	27	1.59	AUG	1934	18	.88
1944	SEP	3	1.25	AUG	1948	18	1.21
1941	MAY	20	4.73	SEP	1950	22	.83
1941	JUN	29	2.49	SEP	1964	27	.85
1941	JUL	6	2.18	SEP	1933	3	.85
1941	AUG	24	1.67	SEP	1934	1	.88
1941	SEP	28	1.98	SEP	1935	10	.88

ALPHA= .0124 MU= .0137 QO= .61

TOTAL DISCHARGE IN CUBIC DECAMETRES

	MAY	JUN	JUL	AUG	SEP	TOTAL	(CM)
CURVE 1	1366.7	906.2	642.1	437.4	290.0	3642.3	.44
CURVE 2	1234.6	721.7	500.0	356.5	259.9	3072.8	.37


02GC014 YOUNG CREEK NEAR VITTORIA
METHOD 2
ALPHA= 0.0072
00= 0.50
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP


02GC014 YOUNG CREEK NEAR VITTORIA
METHOD 1
ALPHA= 0.0072
00= 0.50
MINIMUM FLOW M³/S
0.00
0.10
0.20
0.30
0.40
0.50
0.60
MAY
JUN
JUL
AUG
SEP
1964
1971
1966
1970
1965

02GC014 YOUNG CREEK NEAR VITTORIA

DRAINAGE AREA 69.8 SQ KM REGULATED

PERIOD OF RECORD 1963-78

DISCHARGES IN CUBIC METRES PER SECOND

METHOD 1				METHOD 2			
YEAR	MONTH	DAY	FLOW	MONTH	YEAR	DAY	FLOW
1964	MAY	30	.459	MAY	1971	18	.430
1964	JUN	30	.297	MAY	1964	30	.459
1964	JUL	30	.241	MAY	1965	29	.459
1964	AUG	1	.263	MAY	1970	31	.462
1964	SEP	19	.357	MAY	1966	29	.493
1971	MAY	18	.430	JUN	1966	8	.235
1971	JUN	30	.377	JUN	1964	30	.297
1971	JUL	23	.300	JUN	1967	23	.362
1971	AUG	10	.297	JUN	1970	13	.374
1971	SEP	10	.351	JUN	1971	30	.377
1966	MAY	29	.493	JUL	1964	30	.241
1966	JUN	8	.235	JUL	1965	27	.278
1966	JUL	26	.294	JUL	1966	26	.294
1966	AUG	27	.368	JUL	1971	23	.300
1966	SEP	2	.368	JUL	1968	23	.345
1970	MAY	31	.462	AUG	1964	1	.263
1970	JUN	13	.374	AUG	1970	9	.297
1970	JUL	7	.348	AUG	1971	10	.297
1970	AUG	9	.297	AUG	1965	1	.334
1970	SEP	2	.348	AUG	1975	1	.365
1965	MAY	25	.459	SEP	1973	9	.331
1965	JUN	7	.391	SEP	1967	19	.337
1965	JUL	27	.278	SEP	1970	2	.348
1965	AUG	1	.334	SEP	1971	10	.351
1965	SEP	20	.425	SEP	1964	19	.357

ALPHA= .0072 QB= .50